

تنويه

نظرًا لأن كتاب Pony هـو أول كتاب في مادة Vill هـو أول كتاب في مادة يكون متاحًا للصف السادس الابتدائي، فقد تم تحديث المنهج بعد إصدار الكتاب.

لذا، وحرصًا منَّا على مواكبة هذه التحديثات، فقد تم إعداد هذا الملحق المجاني كجزء ثانٍ من كتاب Pony للصف السادس الابتدائي.

المحتوى الموجود في هذا الملحق:

- المحور الأول:
- الدرس الأول (بدلًا من الصفحات من 7 إلى 16 الخاصة بالدرس الأول في الكتاب الأول).
- الدرس الثاني (بدلًا من الصفحات من 17 إلى 26 الخاصة بالدرس الثاني في الكتاب الأول).
 - 📉 المحور الثاني:
 - جميع دروس المحور الثاني (7 دروس)؛ حيث تم إلغاء الدرس الثامن.
 - 🔨 مراجعة نهاية الترم (10 امتحانات).
 - \chi قاموس المصطلحات والكلمات الجديدة.

نأمل أن يكون هذا الكتاب قد وفَّى بتطلُّعات وتوقُّعات طلابنا ومعلمينا.

ملاحظة: يتم دراسة باقي الدروس غير الموجودة في هذا الملحق (شرح وأسئلة) من خلال الكتاب الأول دون أية تعديلات.

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Theme

Role of ICT in Our Life



Theme Lessons:

Lesson 1 Explorer in Action

Lesson 2 Computer Network Devices

Spotlight on Theme

In this theme, you will learn about the mechanisms to deal with ICT (Information and Communication Technology) in order to cope with the latest technological developments.

This includes identifying the operating systems for devices, such as mobile devices and PCs.

You will also create the concept and plan a website that promotes a cutting-edge assistive technology product.



Explorer in Action

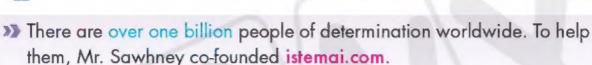
Just for Read

Mr. Kartik Sawhney

- Mr. Kartik Sawhney is a National Geographic Explorer and a computer expert.
- >>> He uses technology to empower people of determination.
- >>> He earned his Bachelor's and Master's degrees in Computer Science at Stanford University, California, in the USA.
- >> His studies focused on:
 - 1 Artificial intelligence (AI).
 - 2 Human-computer interaction.
 - السيِّد كارتيك ساوهني هو مُستكشف نَشِط في ناشونال جيوجرافيك، وهو خبير بالكمبيوتر،
 - يُستخدم ساوهني التكنولوجيا لتمكين الأشخاص من ذوي الهمّم،
 - حصل على شهادتي البكالوريوس والماجستير في علوم الكمبيوتر من جامعة ستانقورد بكاليفورنيا في الولايات المتحدة الأمريكية.
 - وقد ركُّزت دراسته على الذكاء الإصطناعي والتفاعل بين الإنسان وأجهزة الكمبيوتر،
- Mr. Sawhney creates applications that provide access to visual content for the blind and visually impaired.
- >>> His app converts graphs into audio frequencies, allowing the listener to hear the difference in information in the graph.
 - يبتكر السيِّد ساوهني تطبيقات تسمح للأشخاص المكفوفين وضعاف البصر بالوصول إلى المحتوى المرئي.
- يقوم تطبيقه بتحويل الرسوم البيانية إلى تردُّدات صوتية؛ مما يسمح للمستمع أن يسمع الاختلاف في المعلومات بالرسم البياني.



How does Mr. Sawhney help people of determination



- >> I-Stem (istemai.com): It's a platform that provides software that changes digital texts into a format that can be easily used by the blind and visually impaired.
- 1 A person who can't read a text might upload that text to the I-Stem website.
- 2 The software converts the file into a Word document.
- 3 A few minutes later, the person receives the converted document and listens to the text using a screen reader, which automatically reads the text aloud.



- يوجد أكثر من مليار شخص من ذوي الهمّم حول العالم. ولكي يساعدهم شارك ساوهني في تأسيس I-Stem (استماعي).
- I-Stem: هي منصَّة تُقدُّم برنامجًا يُغيِّر النصوص الرقمية إلى صيغة يمكن استخدامها من قبَل المكفوفين وضعاف البصر بسهولة.
 - 1-Stem يمكن للشخص الذي لا يستطيع قراءة النص أن يُحمُّل ذلك النص إلى موقع I-Stem.
 - 2 يُحوِّل البرنامج الملف إلى مستند ببرنامج Word.
- 🔞 بعد دقائق قليلة، يتلقى الشخص المستند المُحوِّل ويستمع إلى النصُّ باستخدام قارئ الشاشة الذي يقرأ النصُّ بصوت عال بصورة تلقائية.

Other benefits of I-Stem for people of determination:

- >> The I-Stem platform (istemai.com) also includes mentorship and employment opportunities for people of determination.
- >> This is achieved by working closely with governments, technical universities, and corporations.
- >> The platform is supported by UNICEF, Microsoft, and the National Geographic Society, among other partner organizations. This makes it easier for people of determination to access the services and venues of the organizations.
 - تتضمَّن منصَّة I-Stem أيضًا فُرَصًا للإرشاد والتوظيف للأشخاص من ذوى الهمم.
 - ويتحقُّق ذلك من خُلال العمل عن كُتِّب مع الحكومات والجامعات التكتولوجية والمؤسَّسات،
 - المنصة مدعومة من اليونيسيف، ومايكروسوفت، ومجتمع ناشونال جيوجرافيك، بالإضافة إلى المنظّمات الشريكة الأخرى، وهذا يُسهِّل على ذوى الهمم الوصول إلى خدمات وأماكن المنظمات،







Role of ICT in Our Life

Volunteer mentors can help people of determination with: يوجد مدربون متطوعون يمكنهم مساعدة ذوى الهمم في الآتي:



Egypt's Efforts for People of Determination

- Egypt supports people of determination in many settings.
 - 1) To assist the visually impaired, the Taha Hussein Library in the New Bibliotheca Alexandrina has scanners with special software that converts printed text into audio.
 - 2 Scholarships and special opportunities are offered to gifted individuals, such as "The Miracle Child" Rania Saleh, who is a talented computer programmer with Down Syndrome.
 - 3 In 2022, Egypt launched several initiatives to empower Egyptians people of determination.
- >> These initiatives guide organizations to integrate employees of determination in the workforce and create job opportunities.
- >> In addition, the Ministry of Manpower is developing programs that educate and train people of determination for the job market.

• تدعم مصر الأشخاص من ذوي الهِمَم في العديد من الأماكن:

- مِن أجل مساعدة ضعاف البصر، تحتوي مكتبة طه حسين في مكتبة الإسكندرية على ماسحات ضوئية تتضمّن برامج
 خاصة تُحوّل النص إلى صوت.
- 🙋 يتم تقديم المنح والفرص الميزة للأفراد الموهوبين، مثل «الطفلة المعجزة» رانيا صالح، وهي مبرمجة كمبيوتر ماهرة مصابة بمتلازمة داون.
 - الهمم. أطلقت مصر عدّة مبادرات لتمكين المواطنين المصريين من ذوى الهمم.
 - تُرشد تلك المبادرات المنظَّمات لدمج الموظفين من ذوي الهمم بالقوى العاملة وإنشاء فُرَص عمل لهم.
 - إضافة إلى ذلك، تُطوُّر وزارة القوى العاملة برامج لتعليم الأشخاص من ذوي الهمم وتدريبهم لسوق العمل.

Mobile Phone

- >> Using a mobile phone can be difficult for people with hearing-impaired people.
- >> there are apps that use speech-to-text technology to make communication by mobile phone easier.
- >> Usually during calls, the hearing-impaired person talks whereas the other person only listens.
- >> Now there are apps that use voice recognition technology to change speech to text in real-time. The text appears while the person is talking.
- >>> If the hearing-impaired people have speech problems, they can type instead, The text is delivered to the other person as real speech.
- an example on these Apps is Rogervoice.
- >>> People with hearing impairments can download and use the app on their smartphones. However, the recipients of the calls are not required to install the app or even own a smartphone



- >>> Rogervoice has been downloaded by over 50.000 people worldwide.
 - » قد يكون استخدام الهاتف الحمول أمرًا صعبًا بالنسبة للأشخاص الذين بعانون من ضعف السمع.
 - هناك تطبيقات تَستخدم تقنية تحويل الكلام إلى نص؛ لتسهيل الاتصال عبر الهاتف المحمول.
 - إذا كان الأشخاص ضعاف السمع يعانون من مشاكل في النطق، فيمكنهم الكتابة بدلاً من ذلك، ويتم تسليم النص إلى الشخص الأخر ككلام حقيقي،
 - و يعتبر تطبيق Rogervoice مثالًا على هذه التطبيقات.
 - يمكن للأشخاص الذين يعانون من ضعف السمع تنزيل التطبيق واستخدامه على هواتفهم الذكية. ومع ذلك، غير مطلوب من متلقى المكالمات تثبيت التطبيق أو حتى امتلاك هاتف ذكى،
 - تم تنزيل Rogervoice من قبل أكثر من 50000 شخص حول العالم.

Role of ICT in Our Life

>>> There are many websites and apps that help people of determination, such as:

accessnow.com

>> It provides information and resources related to accessibility for people with disabilities.



• يُوفِّر المعلومات والموارد المتعلقة بإمكانية الوصول للأشخاص دوى الإعاقة.

Bemyeyes.com

It is a website and mobile application that aims to connect blind or visually impaired people with sighted volunteers through video calls.



• هو موقع إلكتروني وتطبيق للهاتف المحمول يهدف إلى ربط المكفوفين أو ضعاف البصر مع المتطوعين المبصرين من خلال مكالمات الفندنو،

Choose the correct answer:

1	Mr. Kartik Sawhney is a/an		
	a. explorer	b. computer expert	c. both of them
2	Mr. Sawhney co-founded	platform	to help people of
	determination.		
	a. I-Access	b. I-Stem	c. I-Determination
3	Mr. Kartik Sawhney uses ted	hnology to empower	
	a. people of determination	b. computer engineers	c. students
4	Kartik Sawhney studies	in his Back	nelor's and Master's
	degree.		
	a. Computer Hardware	b. Computer Science	c. Science
5	There are mobile apps that u	se techno	logy to help hearing-
	impaired people communica	ate easily.	
	a. artificial intelligence	b. speech-to-text	c. GPS
6	"The Miracle Child" Rania S	Saleh is a talented	with Down
	Syndrome.		
	a. doctor	b. explorer	c. programmer
7	Mr. Kartik Sawhney holds a	Master's degree in Co	mputer Science from
	University.		0
	a. Cairo	b. Stanford	c. Chicago
8	Kartik Sawhney's studies foo		
	a. human-computer interacti		
	b. artificial intelligence		
9		includes mentorship	and employment
	opportunities for people		- 1
	σ.EKB	b. I-Stem	c. Facebook

Role of ICT in Our Life

	10	Mr. Sawhney's app conver	ts graphs into	frequencies to
		allow the listener to hear the	difference in informati	on in the graph.
		a. audio	b. video	c. text
	11	Mr. Sawhney develops appl	ications to help	people access
		visual content.		
		a. blind& visually impaired	b. physically disabled	c. deaf
	12	Taha Hussein Library has a	special t	o convert printed text
		into audio.		
		a. keyboard	b. scanner	c. printer
	13	app uses spe	ech-to-text technology	to assist people with
		hearing impairments to com	municate easily using s	mart phones.
		a. Derbitracker	b. WhatsApp	c. Rogervoice
	14	When blind and visually im	paired people upload	a text to the I-Stemai
		platform, they can listen to t	he text using	
		a. braille terminal		
		c. Screen magnification soft	ware	
5	F	out (✓) or (X):		
	1	Kartik Sawhney is a comput	ar avnart	1
			The second secon	rmination access
		Mr. Sawhney develops apps visual content.	s to help people of dele	ermination access
			M. C. C. L C L.	
	3	Kartik Sawhney earned his I	viaster's degree from F	idrvara University.
		- 1 11 - 11 - 1		
	4	Taha Hussein Library has pri	inters that convert print	ed fext into audio.
		Mr. Sawhney develops an app		
		Kartik Sawhney studies Com	puter Science and foc	uses on artificial
		intelligence.		()

7 The Miracle Child" Rania Saleh" is a programmer with Down
Syndrome. ()
8 The I-Stem platform includes employment opportunities for people of determination. ()
9 Mr. Sawhney cofounded that I-Stem platform to help people of
determination worldwide. ()
10 Egypt launched several initiatives to empower people of determination and create job opportunities for them.()
11 Kartik Sawhney is a computer expert who uses technology to teach
computer science. ()
12 The I-Stem platform works with governments, and technical universities to support people of determination.
13 The Ministry of Manpower is developing programs that prepare people
, , , , , , , , , , , , , , , , , , , ,
of determination for the job market. ()
of determination for the job market. ()
of determination for the job market. Complete the following sentences using the words between the brackets:
Complete the following sentences using the words between
Complete the following sentences using the words between the brackets:
Complete the following sentences using the words between the brackets: (screen reader - I-Stem - Bemyeyes.com - graph - Artificial Intelligence)
Complete the following sentences using the words between the brackets: (screen reader - I-Stem - Bemyeyes.com - graph - Artificial Intelligence)
Complete the following sentences using the words between the brackets: (screen reader - I-Stem - Bemyeyes.com - graph - Artificial Intelligence) 1 Mr. Kartik Sawhney studies focused on and Human-computer interaction.
Complete the following sentences using the words between the brackets: (screen reader - I-Stem - Bemyeyes.com - graph - Artificial Intelligence) 1 Mr. Kartik Sawhney studies focused on and Human-computer interaction. 2 The platform connects blind or visually impaired people
Complete the following sentences using the words between the brackets: (screen reader - I-Stem - Bemyeyes.com - graph - Artificial Intelligence) 1 Mr. Kartik Sawhney studies focused on and Human-computer interaction. 2 The platform connects blind or visually impaired people with sighted volunteers through video calls.
Complete the following sentences using the words between the brackets: (screen reader - I-Stem - Bemyeyes.com - graph - Artificial Intelligence) 1 Mr. Kartik Sawhney studies focused on and Human-computer interaction. 2 The platform connects blind or visually impaired people with sighted volunteers through video calls. 3 Mr. Kartik Sawhney creates apps that allow people to hear the difference
Complete the following sentences using the words between the brackets: (screen reader - I-Stem - Bemyeyes.com - graph - Artificial Intelligence) 1 Mr. Kartik Sawhney studies focused on and Human-computer interaction. 2 The platform connects blind or visually impaired people with sighted volunteers through video calls. 3 Mr. Kartik Sawhney creates apps that allow people to hear the difference in information in
Complete the following sentences using the words between the brackets: (screen reader - I-Stem - Bemyeyes.com - graph - Artificial Intelligence) 1 Mr. Kartik Sawhney studies focused on and Human-computer interaction. 2 The platform connects blind or visually impaired people with sighted volunteers through video calls. 3 Mr. Kartik Sawhney creates apps that allow people to hear the difference

Computer Network Devices

Networks

>>> They are groups of people or things that are connected to each other for a common purpose.

• تُمثِّل مجموعة من الأشخاص أو الأشياء المرتبطة ببعضها لهدف مشترك.



Computers need different networks connection devices to transfer data, such as:

Modem

>> It is a device that connects a local area network (LAN) to the internet.



>>> It converts and transforms the signal from the internet service provider (ISP) into a digital signal that can be read by devices.

هو جهاز يُوصًل شبكة محلّية (LAN) بالإنترنت .

يُحوّل الإشارة من مزوّد خدمة الإنترنت (ISP) إلى إشارة رقمية يمكن للأجهزة التعرّف عليها.

Switches



- They can send data to a specific device over a network, which makes connections easier and faster.
- >> Switches are intelligent devices.

• يمكنها إرسال بيانات إلى جهاز مُعيُّن عبر شبكة؛ وذلك يساعد في تيسير التواصل وإسراعه.

ه المحولات أجهزة ذكية،

Router

- >> As we studied in Grade 5,
 - It works as a gateway (Connect computers to the ISP).
 - It connects a modem to different networks.



- و يعمل الراوتر بمثابة بوابة لتوصيل الكمبيوتر بمزود خدمة الإنترنت.
 - وهو يربط بين المودم ومختلف الشبكات.

Making Connections

>> There are two main ways to connect computers to a network:

1 Wired Networks

 They use physical wiring and cables which are plugged into holes on devices, called ports. • تستخدم الأسلاك والكابلات التي يتم توصيلها بفتحات في الأجهزة تُسمى المنافذ.

2 Wireless Networks

 They connect devices without wiring through wireless or Wi-Fi. • تقوم بتوصيل الأجهزة بدون أسلاك من خلال التوصيل اللاسلكي أو Wi-Fi.



Artificial Intelligence (AI)

- >>> It is computer applications that perform complex tasks that simulate the thinking and performance of the human element, such as the ability to learn and reason.
- >>> By providing these technologies with information, knowledge and possible answers to all possible questions, the machine can give answers to the data provided, such as
 - Writing an article on a topic
 - 2 Inquiring about historical events and their sequence.
- » Also, Al works to imitate sounds when provided with the tone of voice of an actual human being.
 - الذكاء الصناعي: يُقصد به تطبيقات الكمبيوتر التي تقوم بمهام معقدة تحاكي تفكير وأداء العنصر البشري، مثل القدرة على التعلُّم والاستدلال،
 - من خلال تزويد هذه التقنيات بالمعلومات والمعرفة والإجابات المحتملة لجميع الأسئلة المحتملة، يمكن للالة تقديم إجابات للبيانات المقدمة، مثل:
 - 🕕 كتابة مقال حول موضوع ما،
 - الاستفسار عن الأحداث التاريخية وتسلسلها.
 - كما يعمل الذكاء الاصطناعي على تقليد الأصوات عندما يتم تزويده بنبرة صوت إنسان حقيقي،

- a. Wired b. Wireless c. Both of them
- 5 Wired networks connect devices using a. Wi-Fi b. radio waves c. cables
- is a device that connects a local area network (LAN) to the internet.
 - a. Artificial intelligence b. Modem c. Server
- 7 Al is an abbreviation for
 - a. Automated Intelligence b. Advanced Innovation
 - c. Artificial Intelligence
- are intelligent devices that pass information to a specific device over a network.
 - d. Switches b. Hubs c. Modems
- converts the signal from the internet service provider (ISP) into a digital signal.
 - b. router c. switch a. modem
- can imitate sounds when provided with the tone of voice of an actual human being.
 - a. A modem b. Artificial intelligence c. Switches

2	Put (✓) or (X):
1	Networks are groups of people or things that are connected to each other
2	Wireless networks connect devices with physical wiring and cables. (
3	There is only one way to connect computers to a network, using cables.
4	Computers don't need network connection devices to transfer data.(
5	Artificial intelligence can imitate the sounds of people.
6	Switches are intelligent devices. (
7	Modem is a device that converts the signal from ISP into a digital signal.
8	A modem sends data to a specific device on the network. (
9	Wired networks use physical cables which are plugged into ports. (
10	Switches direct data to specific devices, making connections easier and faster.
11	We can connect devices to a network without wiring. (
12	A router works as a gateway that connects a computer to an internet service provider (ISP).
	Complete the following sentences using the words betweer the brackets:
	(intelligent - router - specific - Wired - AI)
	. 1

.....networks connect devices using cables. 2 Switches send data to a(an) device on the network. works as a gateway to connect devices to the internet. 4 Switches are devices. can imitate sounds of people by providing a tone of actual people.



Choose from column (A) what suits it in column (B):

Column (A) Column (B) a, connects a modem to different networks. 1 A b. are groups of people or things that are connected together. 2 A router 3 A switch c. is a hole on devices where cables are plugged in. 4 Networks d. computer applications that simulate the thinking and performance of people. e. is an intelligent device that send data to a specific device 5 A port on the network.



Theme 2



Theme Lessons:

- Lesson Explorer in Action
- Lesson (2) How to Deal With Electronic Games
- Lesson (3) Protecting Yourself From Digital Theft
- Lesson 4 Cyper Security
- Lesson 5 Copyright and Electronic Financial Trading
- Lesson 6 Cloud Storage of Files
- Lesson Cloud Computing Applications



In this theme, you will learn about the importance of taking digital safety and security precautions when dealing with the Internet and digital devices, and how to evaluate digital sources.

You will also complete a project, presenting an issue that is important to young Egyptians and making use of what you have learned.



Explorer in Action

Raghda (Didi) El-Behaedi

- >>> She is a National Geographic Explorer.
- She is working towards a PhD in Egyptian Archaeology at the University of Chicago in the US.



- Ms. El-Behaedi has worked as a remote sensing research consultant at NASA.
 - الآنسة ديدي البيحايدي مُستكشفة في ناشونال جيوجرافيك.
 - وهي تعمل من أجل الحصول على الدكتوراه في علم الآثار المصرية بجامعة شيكاغو بأمريكا.
 - كما عملت الأنسة البيحايدي بصفتها خبيرًا استشاريًا في مجال أبحاث الاستشعار عن بُعد في وكالة ناسا الفضائية.

Ms. Didi's uses technologies in her work.

Geospatial Technologies

- Ms. Didi uses geospatial technologies, such as:
- Geographic Information System (GIS)
- Remote Sensing (RS)
- 3 Global Positioning System (GPS) in her work
- These technologies assist in the geographic mapping and analysis of Earth and human societies.



- She has excavated several archaeological sites in the US, France, and Egypt.
- She has been working in the area of Lake Moeris in Fayum, Egypt, to learn how ancient Egyptians dealt with the decreasing amount of water in the lake.
 - الأنسة ديدي تُستخدم تقنيات الجغرافيا المكانية في عملها مثل: GIS, RS, GPS، وتساعد هذه التقنيات في رسم الخرائط
 الجغرافية للأرض وتحليل الأرض والمجتمعات البشرية.
 - نقَّبت الانسة ديدي في العديد من المواقع الأثرية في كلُّ من: الولايات المتحدة الأمريكية، وفرنسا، ومصر.
- وقد عملت أيضًا في منطقة بركة قارون (بحيرة موريس) في محافظة الفيوم بمصر: من أجل معرفة كيفية تعامل المصريين
 القدماء مع انخفاض نسبة المياه في البحيرة.

Remote Sensing



- Ms. El-Behaedi uses remote sensors in her work.
- >> The remote sensors provide extremely clear images of the ground's surface.
- Ms. El-Behaedi uses these images to identify, map, and date the ancient shores of the lake and find previously undiscovered ancient settlements.



- >> She relied on remote sensing to build an app that simulated flooding at Abu Simbel Temple.
 - تُستخدم الآنسة البيحابدي أجهزة الاستشعار عن بُعد في عملها.
 - توفر أجهزة الاستشعار عن بُعد صُورًا واضحة للغاية لسطح الأرض.
 - الأنسة البيحابدي تستخدم هذه الصور لتحديد شواطئ البحيرة القديمة، ورسم خرائطها، وتحديد تاريخها، والعثور على الستوطنات القديمة غير المكتشفة من قبل.
 - » اعتمدت البيحايدي على أجهزة الاستشعار عن بُعد لبناء تطبيق يحاكي الفيضانات في معبد أبو سميل،
- >>> Remote sensing technology is used in many fields, such as:
 - 1 Meteorology
- @ Geology
 Second Geography
- >> The remote sensors are special cameras placed on satellites, drones, airplanes, helicopters, and towers.
- >>> Remote sensors collect data about an object without touching it.
- >> So, they collect data from places that are dangerous or impossible to access.
- >> They collect electromagnetic waves and transform them into signals that are presented as images or numbers.
 - أستخدم تقنية الاستشعار عن يُعد في العديد من المجالات، مثل:
 - 3 الحقراقيا،
- 2 الجبولوجيا،
- 🚺 الأرصاد الحوية.
- أجهزة الاستشعار عن بُعد هي كاميرات خاصة توضع على الأهمار الصناعية والطائرات بدون طيار والطائرات والمروحيات
- تقوم أجهزة الاستشعار عن بُعد بجمع البيانات حول جسم ما دون لمسه؛ لذا يقومون بجمع البيانات من الأماكن الخطرة أو التي يصعب الوصول إليها.
 - كما تقوم بجمع الموجات الكهرومغناطيسية وتحويلها إلى إشارات تُعرض على شكل صور أو أرقام.

Some types of remote sensors

Type

Function

- Infrared Remote Sensors
 - أجهزة الاستشعار عن يُعد بالأشعة تحت الحمراء
- They can penetrate the Earth, so they are used in archaeological excavations.
 - بمكنها اختراق الأرض؛ لذلك بتم استخدامها في الحفريات الأثرية.

- Radars
- They are active sensors that produce and send electromagnetic waves and then measure those waves that reflect back from an object.
 - They are used to measure the speed of moving objects or monitor their motion.
 - هي أجهزة استشعار نشطة تنتج وترسل موجات كهرومغناطيسية، ثم تقيس تلك الموجات التي تنعكس من الجسم،
 - الرادار يُستخدم لقياس سرعة الأجسام المتحركة أو مراقبة حركتها.

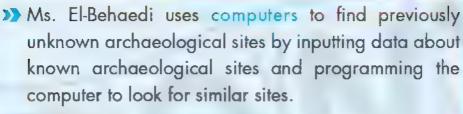
- Sonar
- Is used for mapping the ocean floor and finding fish.
 - يُستخدم لرسم خرائط قاع المحيط والعثور على الأسماك،

Explanatory Information

معلومات توضيحية إضامية خارج الكتاب المدرسي

- Geospatial technologies are tools that help us understand the world around us by collecting, analyzing, and visualizing location data. Here are some specific examples of geospatial technologies:
- Geographic Information System (GIS): GIS is a software program that allows us to store, analyze, and visualize information about places. You can use GIS to do things like finding the shortest path between two points.
- Remote Sensing (RS) is a way of collecting information about an area from far away using special cameras and sensors on satellites and airplanes.
- Global Positioning System (GPS) is used to find locations; it is commonly used in navigation systems like those in cars and smartphones.

Machine Learning





- >> This is called "machine learning".
- received suggestions for other videos you might like. Those videos show up through a data search based on other views.
 - تستخدم الأنسة البيحايدي أجهزة الكمبيوتر لتحليل البيانات والتنبُّؤ بالأماكن التي قد تجد فيها مواقع أثرية مجهولة من قبل، وهي تُدخل بيانات حول المواقع الأثرية المعروفة، ثم تُبرمج جهاز الكمبيوتر للبحث عن مواقع مماثلة، وهذا ما يُسمَّى «التعلُّم الآلي».
 - مثال على التعلم الآلي: إذا سبق لك استخدام موقع يوتيوب وتلقيت اقتراحًا لمقاطع فيديو أخرى قد تعجبك: إذ تظهر
 مقاطع الفيديو هذه من خلال البحث عن البيانات بناءً على مشاهدات أخرى.

Laptop and iPad

- Ms. El-Behaedi has published several reports on her discoveries.
- She writes her texts, creates figures, and edits images using her laptop and iPad, then publishes her work in trusted journals.







How does Ms. El-Behaedi protect her information

Ms. El-Behaedi protects her information by

Installing an antivirus

Using strong passwords

Backing up data frequently

ولكي تحمي الأنسة البيحايدي معلوماتها، تستخدم برامج مكافحة الفيروسات، وكلمات مرور قوية على أجهزتها، كما تحرص
 على إجراء نسخ احتياطى لبياناتها بانتظام.



>> The characteristics of Ms. El-Behaedi as an integral scholar:

- 1 Learning from other scholars.
- 2 She reads articles in trusted digital libraries and academic journals to ensure information is correct.
- 3 If she refers to other scholars' works in her reports, she uses citations.
- 4 To use images or infographics, she contacts the individual or the institution to ask for permission.



• صفات الآنسة البيحايدي بصفتها باحثة متميزة:

- 🚺 التعلُّم من الباحثين الآخرين.
- 🙋 تقرأ مقالات منشورة في المكتبات الرقمية والمجلات الأكاديمية الموثوقة التي راجعها باحثون آخرون؛ لتضمن أن المعلومات صحيحة.
 - وعندما تشر الأنسة البيحايدي إلى أعمال باحثين آخرين في تقاريرها، فإنها تستخدم التوثيق.
- 🐠 وكذلك عند استخدامها صُورًا أو رسومات سانعة خاصة بأحد الأشخاص أو المؤسسات، فإنها تتواصل معهم لطلب الإذن.
- >> Ms. El-Behaedi intends to use the knowledge she has gained in her excavations to help preserve Egypt's cultural heritage.
- >>> Because of these important works, like Ms. El-Behaedi's work, we can learn more about our history and how our ancestors dealt with environmental changes.
- >>> Solutions for the past problems could help us solve future issues.
 - تعتزم الأنسة البيحايدي استخدام المعرفة والخبرة التي اكتسبتها من خلال عمليات التنقيب التي أجرتها سابقًا: للمساعدة في الحفاظ على العراث الثقافي الصراء ومن خلال الأعمال المهمة، مثل التي تؤدِّيها الانسة البيحايدي، يمكننا معرفة المزيد عن تاريخنا، وكيفية تعامُل أسلافنا مع التغيُّرات البيئية. كما يمكن أن تساعدنا حلول المشكلات الماضية في حلَّ المشكلات التي تطرأ في المستقبل.

Choose the correct answer:

1	Ms. Didi El-Behaedi is a	(an) at National Geo	graphic organization.
	a. explorer	b. teacher	c. programmer
2	Ms. El-Behaedi is studyira. Artificial Intelligence	ng to earn a PhD in b. Egyptian Archaeolog	T .
3	Ms. El-Behaedi publishe		
		b. untrusted	
4	Ms. Didi El-Behaedi usa		
	a. GIS	b. Remote Sensing	c. both of them
5	refer to the so	urces you used in your re	port.
	a. Opinions	b. Citations	c. Assumptions
6	The remote sensors are stowers.	pecial placed o	on satellites, drones, or
	a. cameras	b. computers	c. microphones
7	RS is an abbreviation fo	r	
	a. Remote Sensors	b. Robotic System	c. Real System
8	Ms. Didi El-Behaedi has	worked as a remote sensi	ng at NASA.
		b. research consultant	
9	Remote sensors transform	n electromagnetic waves r	eflected from an object
	and present them as	essiss	
	a. images	b. numbers	c. both a and b
10	To use images or infogra	aphics of someone, you sl	nould .
	a. ask for permissionc. ignore the owner	b. share them without p	ermission

11	Ms. El-Behaedi built an	app based on	that simulated flooding
	at Abu Simbel Temple.		
	a. machine learning	b. remote sensing	c. virtual reality
12	is used for mo	ipping the ocean floor o	and finding fish
	a. Sonar	b. Radar	c. Both a and b
13	Ms. El-Behaedi uses	to find previously u	inknown archaeological
	sites.		
	a. drones	b. machine learning	c. cameras
14	Ms. El-Behaedi protects	her information using	
	a. antivirus software	b. backup of data	c. both of them
15	Inputting data about know	own archaeological site	s and programming the
	computer to look for sim	ilar sites is called	
	a. remote sensing	b. geospatial technolo	egy c. machine learning
16	GIS is an abbreviation f	or .	
	a. Geographic Informat	ion System	
	b. Global Information S		
	c. General Information	Software	
	Put (✓) or (X):		
1	Ms. Didi El-Behaedi is a		()
2	Ms. El-Behaedi doesn't u	use remote sensors in he	r work. ()
3	Good scholars always o	ite their sources.	()
4	Ms. El-Behaedi doesn't l	oack up her data.	()
5	Geospatial technologies	assist in the geographi	c mapping and analysis
	of Earth.		()
6	The remote sensors prov	ide clear images of the	ground's surface. ()
7	Ms. El-Behaedi uses im	ages from remote sens	sors to find the ancient
	shores of the lake.		()

8	Remote sensors collect data about an object by touching It. ()
9	Solutions to past problems couldn't help us solve future issues. ()
10	Ms. Didi El-Behaedi has studied the ancient Egyptian water management
	system at Lake Moeris in Fayum, Egypt. ()
11	You should use weak passwords to protect your data. ()
12	Ms. Didi El-Behaedi is working to earn a PhD in Egyptian Archaeology
	from Cairo University.
13	Ms. Didi El-Behaedi hasn't excavated any archaeological sites in Egypt.
	()
14	Infrared remote sensors can penetrate Earth. ()
15	Ms. El-Behaedi protects her information in many ways. ()
16	Ms. El-Behaedi uses machine learning to discover unknown
	archaeological sites. ()
17	Radars are used to measure the speed of moving objects. ()
	Complete the following sentences using the words between
1	the brackets:
	(citations - Remote sensors - machine learning - Radars - Explorer)
1	Ms. El-Behaedi is a National Geographic .
2	You should use to refer to others' work in your reports.
3	are special cameras placed on satellites, drones, and
	planes to get clear images about objects.
4	are used to monitor the motion of an object.
5	Ms. El-Behaedi uses to find previously unknown
	archaeological sites.

Lesson

How to Deal With Electronic games

- Electronic games can help promote critical and creative thinking and encourage teamwork.
- Playing online games with friends can be a lot of fun, but they can impact health.
 - يمكن أن تساعد الألعاب الإلكترونية على تعزيز التفكير النقدى والإبداعي وتشجيع العمل الجماعي.
 - · يمكن أن تكون ممارسة الألعاب عبر الإنترنت مع الأصدقاء أمرًا ممتعًا للغابة، ولكنها قد تؤثر على الصحة.

Disadvantages of electronic games عيوب الاتعاب الإلكترونية

Physical Dangers

Psychological

Security

1 Manufact Languages

- Playing too much can affect your sleep cycle. It may keep you stimulated and prevent you from falling asleep.
- >>> It can cause eye strain, cause back problems because you stay hunched over while playing, and cause headaches.
- There's also a danger of gaining weight because you may not be exercising or eating properly while playing electronic games.
 - اللعب كثيرًا قد يؤثر على دورة نومك. قد ينقبك محفزًا وبمنعك من النوم.
 - كما يمكن أن يجهد عينيك ويسبب مشاكل في الظهر؛ لأنك تظل منحنيًا أثناء اللعب، ويسبب الصداع.
 - هناك أيضًا حطر زيادة الوزن؛ لأنك قد لا تمارس الرياضة أو تتناول الطعام بشكل صحيح أثناء ممارسة الألعاب الإلكترونية



2 Papatentanjani transper _______

- >> You may become anxious and depressed because:
 - 1 You feel lonely in the real world.
 - 2 You are being bullied online.
- >>> Electronic games can make some people aggressive, as some games promote violence.
- >> Electronic games can prevent some players from thinking rationally when facing situations.
- All of these factors can negatively affect your relationship with family and friends.
 - قد تُصاب بالقلق والإكتئاب للأسباب التالية:
 - 1 تشعر بالوحدة في العالم الواقعي،
 - 2 تتعرُّض للتنمُّر عبر الإنترنت.
 - الألعاب الإلكترونية قد تحعل بعض الأشخاص عدوانيين؛ حيث إن بعض الألعاب تشجع على العنف.
 - الألعاب الإلكترونية قد تمنع بعض اللاعبين من التفكير بعقلانية عند مواجهة المواقف.
 - كل هذه العوامل يمكن أن تؤثر سلبًا على علاقتك مع العائلة والأصدقاء.

3 Security Congress in the second

- >>> Multiplayer games, in particular, can put your security at risk.
- >> If you share too much personal information, strangers may be able to access your name, email, phone number, and address.
- >>> Large gaming communities are filled with cyberbullies.
- >>> Hackers can cause your information to be leaked, and viruses are easily spread.
 - الألعاب متعددة اللاعبين -على وجه الخصوص- يمكن أن تُعرَّض أمنك للخطر.
 - إذا قمت بمشاركة الكثير من المعلومات الشخصية، فقد يتمكِّن الغرباء من الوصول إلى: اسمك، وبريدك الإلكتروني، ورقم هاتقان، وعنوانك،
 - « تمتلئ مجتمعات الألعاب الكبيرة بالمتنمرين عبر الإنترنت.
 - عمكن أن يتسبب الهاكرز في تسريب معلوماتك وانتشار الفيروسات بسهولة.

Responsible Gaming

>> To limit the dangers of electronic games:

- 1 Only play games and chat with people you know and trust.
- Respect the limits that your parents set to prevent unhealthy gaming habits.
- 3 Don't use personal information in your usernames and passwords.
- Don't use a webcam.
- 6 Make sure that gaming does not replace real-life activities such as spending time with your family, meeting friends, doing homework, maintaining a healthy diet, getting enough exercise or getting enough sleep.
- 6 When you face danger, tell your parents. They want to help you through family discussions and increased supervision when using the internet.



الحدِّ من مخاطر الألعاب الإلكترونية:

- 🕕 مارس الألعاب والدردشة فقط مع الأشخاص الذين تعرفهم وتثق بهم،
 - احترم الحدود التى وضعها والداك لمنع عادات اللعب غير الصحية.
- الا تستخدم المعلومات الشخصية في اسم المستخدم وكلمات المرور الخاصة بك.
 - 4 لا تستخدم كاميرا الويب.
- 🕣 تأكُّد من أن الألعاب لا تحل محل أنشطة الحياة الواقعية مثل: قضاء الوقت مع عائلتك، أو مقابلة الأصدقاء، أو أداء الواجبات المنزلية، أو الحفاظ على نظام غذائي صحى، أو الحصول على قدر كافٍ من التمارين الرياضية أو النوم.
- عندما تواجه المخاطر أخبر والديك. إنهم يريدون مساعدتك من خلال المناقشات العائلية وزيادة الرقابة عليك عند استخدام الإنترنت،



Exercises on Lesson 2



Choose the correct answer:

7 -			
1	Electronic games can	help promote	10/1707
	a. critical thinking	b. creative thinking	c. both a and b
2	Playing electronic gai	mes too much can affect y	our cycle.
	a. sleep	b. digestive	c. energy
3	One of the dangers	of electronic games is	because you
	may not be exercising	g.	
	a. hacking	b. gaining weight	c. bullying
4	Hackers can steal you	r information and	can easily spread.
	a. viruses	b. books	c. videos
5	Large gaming commu	inities are filled with	
	a. cyberbullies	b. doctors	c. both a and b
6	Spending a lot of time	e playing electronic game	s can cause .
	a. eye strain	b. back problems	c. both a and b
7	can ca	use your information to be	e leaked, and viruses are
	easily spread.		
	a. Cyberbullies	b. Hackers	c. Friends
8	One of the physical d	langers of electronic game	es is
	a. stealing data	b. cyberbullying	c. headaches
9	One of the psycholog	ical dangers of electronic	games is .
	a. eye strain	b. being depressed	c. cyberbullying
10	You should not share	e . because	others can access your
	address, email, and p	phone number.	
	a. games	b. news	c. personal information

11	Some games promote			
	a. calm	b. aggressive	c. stupie	
12	Playing online games	too much can co	use	strain.
	a. eye	b. nose	c. leg	
13	Electronic games may	make you anxid	us and depressed	because
	a. you feel lonely in t	ne real world		
	b. you may being bul	lied online	c. both	a and b
	Put (✓) or (X):			
1	Electronic games can	be fun, but they	impact health.	()
2	Feeling lonely in the re	eal world is one o	f the dangers of e	lectronic games.
				()
3	You should play a lot of	of electronic game	es to fall asleep rig	ght away. ()
4	Some electronic game	es can promote a	ggression in play	ers. ()
5	Ignore the limits that your parents set to prevent unhealthy gaming habits.			
				()
6	Excessive electronic g	aming can lead	o headaches.	()
7	It is recommended to play games and chat with people you don't know.			
				()
8	Electronic games can	make some peop	ole anxious and d	epressed.()
9	Playing games online	has no dangers	for you.	()
10	Multiplayer games ca	n put your securi	ty at risk.	()
11	When you face dang	ers online, you sh	ould solve them	yourself. ()
12	Electronic games can	prevent some pla	yers from thinkin	g rationally.
				()
13	Electronic gaming car	n have a positive	impact on your re	elationships with
	others.			()
14	Use a webcam to limi	t the dangers of	electronic games.	()
15	You should not use	personal inform	nation in your	usernames and
	passwords			1 1



Complete the following sentences using the words between the brackets:

(aggressive - Back problems - webcam - Cyberbullies - personal information)

- is one of the security dangers of electronic games.
- 2 Some electronic games promote violence and can make some people
- 3is one of dangers of electronic games because you stay hunched over while playing.
- 4 Don't use a . . . to limit the dangers of electronic games.
- 5 Don't share , such as your name, email, phone number, and address.



Protecting Yourself From Digital Theft

- >>> It is irresponsible to leave your devices at risk by not taking proper safety precautions.
- >>> You have learned about the importance of strong passwords. Let's look at some more ways you can effectively protect your devices from theft.
 - ◄ من عدم المسئولية أن تترُك أجهزتك الخاصة مُعرَّضة للخطر بعدم اتخاذ إجراءات الأمان المناسية.
 - 🧨 لقد تعرَّفت على أهمية كلمات المرور القوية، فلنُلق نظرة على المزيد من طرق حماية أجهزتك من السرقة بشكل فعَّال.

Passwords

>> Passwords with 8+ random letters. numbers and symbols are the most secure.



• كلمات المرور التي تتكوَّن من: ٨ حروف، وأرقام، ورموز عشوائية أو أكثر، هي الأكثر أمانًا.

Multi-factor Authentication (MFA)

- >> MFA requires at least two ways of identifying yourself.
- >>> It is usually through passwords, pins, and security codes or personal questions.
- تتطلُّب المسادقة مُتعدِّدة العوامل طريقتين على الأقل لتحديد هُويَّتك، وعادةً ما يتم ذلك من خلال: كلمات المرور، وأرقام التعريف الشخصية، ورموز الأمان أو الأسئلة الشخصية.



Fingerprint Authentication

>> This type of authentication will scan your finger, usually your thumb, as a way of confirming it's you.

 المادقة بيصمة الأصابح: هذا النوع من المادقة سيُجرى مسحًا لإصبعك الإنهام عادةً، كطريقة لتأكيد هُويَّتك.





Facial Recognition

- Facial recognition software will scan your face using your device's camera.
- Only your face will allow your device or device's apps to open.
- برنامج التعرُّف على الوجه سيُجري مسحًا لوجهك باستخدام الكاميرا الخاصة بك؛ ويذلك سيسمح
 لوجهك دون سواه بفتح جهازك أو التطبيقات الموجودة فيه.



5 Full Disk Encryption

Encryption scrambles your information and can only be accessed on your device if you have set a password.

التشفير يعمل على تشويش معلوماتك، ولا يمكن الوصول إلى المعلومات على جهازك
 إلا إذا قمت بتعيين كلمة مرور خاصة بك.



Cock When Lost

>>> Enabling lock mode on your device will allow you to lock it if you lose it, usually by logging in to your Google or Cloud account.

سيسمح لك وضع القفل التمكيني على جهازك بقفله إذا فقدته، عادةً عن طريق تسجيل
 الدخول إلى حساب Google أو iCloud بتعيين كلمة مرور خاصة بك.



Data Protection Law in Egypt

Companies

- >>> Companies are in particular need to protect their websites and their customers' information.
- >>> In 2020, Egypt formed the Data Protection Law to protect its citizens.
- >>> Companies must report immediately if they've been victims of data theft, and let their customers know immediately as well.
 - تحتاج الشركات بشكل خاص إلى حماية مواقعها الإلكترونية ومعلومات عملائها.
 - في سنة ٢٠٢٠، أنشأت مصر قانون حماية البيانات الشخصية لحماية مواطنيها.
 - يجب على الشركات الإبلاغ على الفور إذا وقعوا ضحية لسرقة البيانات، وإعلام عملائهم مباشرة أيضًا.

2 Individuals

- >> Individuals should report data theft too.
- If you think your data has been compromised, make sure to tell a parent or trusted adult, they can let the proper authorities know.
- >> You should also tell the family and friends you communicate with online.

 This way, they won't open any attachments or click on any links that come from your accounts.
- الأفراد عليهم أيضًا الإبلاغ عن سرقة البيانات. إذا شككت بتعرُّض بياناتك للخطر، احرص على إخبار أحد والديك أو شخص بالغ موثوق به: إذ يمكنهم إبلاغ السلطات المسئولة.
- كما عليك إخبار أُسرتك والأصدقاء الذين تتواصل معهم عبر الإنترنت. وبهذه الطريقة، لن يفتحوا أيَّ مرفقات أو ينقروا على أيَّ روابط ثُرسَل من حساباتك الشخصية.









	1	Strong passwor	rds contain at least	characters.
		a. 4	b. 6	c . 8
	2	What does MFA stand for?		
		a. Multi-function Application		
		b. Multi-factor	Authentication	
		c. Multi-feature	Algorithm	
	3	is a typ	e of authentication that u	ses your fingerprint to confirm
		your identity.		
		a. Fingerprint o	uuthentication	
		b. Facial recog	nition	
		c. A password		
	4	lav	w requires companies to	use strict security standards to
		protect their da	ta.	

- 6 requires at least two ways of identifying yourself. a. Multi-factor authentication
 - b. Fingerprint authentication

Choose the correct answer:

c. Facial recognition

c. Data Protection

c. encryption

scans your face using your device's camera to confirm your identity.

b. E-marketing

5 The process that scrambles your information and makes it unreadable to

b. compression

Fingerprint authentication

others is called

Facial recognition
 Full disk encryption

a. Copyright

a. decryption

8	is/are a security method that scramble(s) your information			
	and can only be accessed if you enter a password.			
	a. Full disk encryption			
	b. Facial recognition			
	c. Both a and b			
9	is a feature that allow you remotely to lock your device if			
	you lose it.			
	G. Lock when lost b. Facial recognition			
	c. A password			
10	Facial recognition scans your face using your device's		to	
	confirm your identity.			
	a. scanner b. printer			
	c. camera			
11	Egypt formed law in 2020 to protect its citizens' of	data.		
	a. Data Security b. Data Protection			
	c. Data Privacy			
	Put (✓) or (X):			
1	Strong passwords contain at least 6 characters.	()	
2	If you have been exposed to data theft, you should report it.	()	
3	Full disk encryption allows you to lock your device if you lose it.	(}	
4	Data protection is important for individuals only.			
5	Fingerprint authentication scans your face using the device's camera.			
	Things/print dollars and results you take coming the dorner of	1	1	
6	It is irresponsible to leave your devices at risk without protection	1	1	
0	in is mesponsible to leave your devices arrisk without protection	1	1	
7	It is not important for companies to protect their data	1	1	
^	It is not important for companies to protect their data.	(1	
8	Strong passwords contain letters, numbers and special characters.	1	}	

Digital Safety and Security Precautions

Choose from column (A) what suits it in column (B):

Column (A)	Column (B)		
1 Full disk encryption	a. is a type of authentication that usually scans your thumb to confirm your identity.		
2 Multi-factor authentication	 b. is a feature that allows you to lock your device remotely if you lose it. 		
Fingerprint authentication	c. requires at least two ways of identifying yourself.		
4 Lock when lost	d. scans your face using your device's camero to confirm your identity.		
S Facial recognition	Facial recognition e. scrambles your information and can only be accessed if you enter a password.		
1 2	3 4 5		

Lessan

Cyber Security

- >> You have learned a lot about online safety choices and strategies. Here is a brief recap.
 - 1 Use safe web browsers, such as Google Chrome.
 - 2 Use anti-virus protection on your devices.
 - 3 Keep your pages private, only allow friends and family to view your social media.
 - 4 Do not communicate with people you don't know or who make you feel uncomfortable.
 - 5 Do not share your personal information online.
 - 6 Use strong passwords and change them every three months.
 - 7 Verify that the websites that you frequent are real, safe, and age-appropriate.
 - 8 Verify the information you find to make sure it is accurate.

₹ لقد تعلُّمت الكثر عن إجراءات الأمان على الانترنت وإستراتيجياته. فيما يلي مراجعة سريعة:

- 1 استخدم متصفحات الإنترنت الأمنة مثل جوجل.
- استخدم برامج الحماية من الفبروسات على أجهزتك.
- 3 حافظ على خصوصية صفحاتك، اسمح فقط لأصدقائك وأسرتك برؤية صفحات التواصل الاجتماعي الخاصة بك.
 - لا تتواصل مع الأشخاص الذين لا تعرفهم أو الذين يجعلونك تشعر بعدم الارتياح.
 - الا تشارك معلوماتك الشخصية على الإنترنت.
 - استخدم كلمات مرور قوية وغترها كل ثلاثة أشهر.
 - 7 تأكُّدُ من أن المواقع التي تتردُّد عليها حقيقية، وآمنة، ومناسِبة لعمرك،
 - 8 تحقُّقُ من المعلومات التي تجدها للتأكُّد من دقتها.





eme (2)

Types of Cyber Security Threats

1 Malware

- Malware is the greatest cyber security threat.
- Scareware is a type of malware that pretends to be a virus alert.
- Scareware tells you to click on the link to help remove it, but the link is a virus.



- Mobile malware can be problematic, and using unsecured Wi-Fi can expose you to malware threats.
- ... Note: No matter how cautious you are, you may still get tricked.

البرمجيات الخبيثة

- تعد البرمجيات الخبيثة أكبر تهديد للأمن السيبراني،
- · Scareware مو نوع من البرمجيات الخبيثة التي تتظاهر بأنها تنبيه من الفيروسات.
- Scareware يطلب منك النقر على الرابط للمساعدة في إزالة الفيروس، ولكن الرابط عبارة عن فيروس،
- يمكن أن تكون البرمجيات الخبيثة على الأجهزة المحمولة مشكلة، وقد يؤدي استخدام شبكة Wi-Fi غير آمنة إلى تعريضك
 لتهديدات البرمجيات الخبيثة،
 - ملحوظة: بغض النظر عن مدى حذرك، ربما ما زلت تتعرُّض للخداع.

2 Spoofing

- Cyber criminals pretended to be a business or a known person, in order to trick you to
- Provide your information.
- 2 Click on an unsafe link.
- If you click on unsafe links, you are in danger of:
 - 1 Having your information compromised.
 - 2 Money stolen.
 - 3 Viruses are installed on your devices.



>> Examples of spoofing:

- 1 A fake domain pretending to be a business.
- 2 A fake email account that has the name of a trusted service.
- 3 Personal acquaintances of yours.

انتحال صفة شخص أو شركة

- يتظاهر مجرمو الإنترنت بأنهم شركة أو شخص معروف، وذلك لخداعك:
 - 2 للنقر على رابط غير آمن.
- 🚺 لتقديم معلوماتك.
- إذا نقرت على روابط غير آمنة، فأنت في خطر:
- تثبيت العيروسات على أجهزتك.
- 🕕 تعرُّض معلوماتك لخطر الاختراق. 🏿 🥝 سرقة أموالك.
 - أمثلة على الإنتحال:
 - 🕦 إنشاء نطاق وهمي يتظاهر بأنه شركة تجارية.
- ة. ﴿ ﴿ أَفْرَادُ تَعْرَفُهُمْ شَخْصِيًّا،
- 2 حساب بريد إلكتروني مزيف يحمل اسم خدمة موثوقة.

the second sector appears are carried bloomers.

- >> Stay calm, but take swift action.
- Inform your contacts immediately so they can avoid opening anything suspicious, so you can protect your contacts from the same cyber threat.
- Use anti-virus to do a sweep of your computer and remove any viruses.
- Confirm your security settings are up-to-date.
- Change all your passwords, your device password, email, social media, etc. even if you have been hacked only on one particular account.
- Report the threat to a trusted adult. They can report it to an internet service provider or get the authorities involved if needed.
- Creating a personal online safety plan can prepare you for potential future cyber threats, such as how to protect your personal devices and information from cyber criminals.
 - حافظ على هدوئك، ولكن اتخذ إجراءً سريعًا.
 - أبلغ جهات الاتصال الخاصة بك على الفور حتى يتمكنوا من تجنُّب فتح أي شيء مشبوه: حتى تتمكن من حمايتهم من نفس التهديد السيراني،
 - استخدم برنامج مكافحة الفيروسات لإجراء مسح لجهاز الكمبيوتر الخاص بك وإزالة أي فيروسات.
 - قاكًد من تحديث إعدادات الأمان الخاصة بك.
 - قم بتغيير جميع كلمات المرور الخاصة بك: كلمة مرور جهازك، والبريد الإلكتروني، ووسائل التواصل الاجتماعي، وما إلى ذلك، حتى لو تم اختراقك على حساب واحد فقط،
 - أبلغ شخصًا بالغًا موثوقًا به بالتهديد، فيمكنه الإبلاغ عن ذلك إلى مزود خدمة الإنترنت، أو إشراك السلطات إذا لزم الأمر.
 - وضع خطة للأمان الشخصي عبر الإنترنت يمكن أن يؤهلك لمواجهة التهديدات السيبرانية المستقبلية المحتملة، مثل كيفية حماية أجهزتك الشخصية ومعلوماتك من مجرمي الإنترنت.

Exercises on Lesson 4



Choose the correct answer:

1			
1	Use a/an to do a	sweep of your computer a	nd remove any viruses.
	a. password	b. anti-virus	c. firewall
2	Verify the information	you find to make sure it is	
	a. accurate	b. false	c. untrusted
3	is a type of	malware that pretends to b	pe a virus alert.
	a. Virus	b. Firewall	c. Scareware
4	To be safe online, cha	nge your passwords every	. months.
	d. one	b. two	c. three
5	If you exposed to cybe	er security threat, you shou	ld . it.
	a. ignore	b. accept	c. report
6	is/are cybe	r criminals pretend to be	a business or a known
	person to trick you.		
	a. Maleware	b. Hackers	c. Spoofing
7	•	urity threats, stay calm, bu	t take action.
	a. slow	b. swift	c. calm
8		est cyber security threat.	
	a. Malware	b. Anti-virus	c. Firewall
9		ding to be a business is an	
	a. maleware		c. virus
10	Using is imp	portant for cyber security.	
	a. anti-virus	b. strong passwords	c. both a and b
11		online plan can pre	epare you for potential
	future cyber threats.		
	a. safety	b. marketing	c. annual

Put (✓) or (✗):

1	No matter how cautious you are, you may still get tricked. ()		
2	Spoofing is the greatest cyber security threat. ()		
3	Scareware is a type of malware that pretends to be a virus alert. (
4	It is safe to click on unknown links. ()		
5	Scareware tells you to click on the link to remove it, but the link is a virus.		
	()		
6	Unsecured Wi-Fi can expose you to malware threats. ()		
7	To be safe online, you should use safe web browsers. ()		
8	It is not necessary to report the threats to trusted people. ()		
9	You should install anti-virus to protect your device. ()		
10	It is safe to communicate with unknown people online.		
11	You should ensure your security settings are up-to-date.		
12	If your account has been hacked, it is preferable to change the password		
	of this account only.		
) (Write the scientific term:		
1	The greatest cyber security threat. (
2	A type of malware that pretends to be a virus alert. (
3	Cyber criminals pretended to be a business or a known person, in order		
	to trick you. (
4	It is used to do a sweep of your computer and remove any viruses.		
	(

Copyright and Electronic Financial Trading

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- Copyright: It includes written, visual, audio, video, and web materials.
- Intellectual property rights: Means the invention, creation or idea of someone that is protected by law from being copied by someone else.
- Creative Commons: It refers to works that have been granted permission to be shared by the creator.
- Works in data libraries, such as the Egyptian Knowledge Bank (EKB) is already approved for use.
- Egypt considers works to be in the public domain if the creator has been deceased for at least 50 years. No creator permission is required.

لنُراجِع تعريف حقوق الطبع والنشر (الحقوق الفكرية)!

- تشمل حقوق الطبع والنشر: المواد المكتوبة والمرئية والسمعية، ومقاطع الفيديو، والمواد من شبكة الإنترنت،
- حقوق الملكية الفكرية: تعني أن أي اختراع أو إبداع أو فكرة لشخص ما تكون محمية بالقانون من أن ينسخها شخص آخر،
 - المشاع الإبداعي: يشير إلى الأعمال التي مُنح مبتكرها الإذن بمشاركتها.
 - الأعمال الموجودة في مكتبات البيانات -مثل بنك المعرفة المصري- سبق أن تمَّت الموافقة على استخدامها.
 - و تعتبر مصر الأعمال ملكًا عامًا إذا كان المؤلّف متوفيًا منذ ٥٠ عامًا على الأقل، وهذه لا تحتاج إذنًا من المؤلّف،

The Concept of Electronic Financial Trading

مفهوم التداول المالي الإلكتروني

A Stock Exchange

Lemman L

- >>> It is a market where buyers and sellers deal in units of company stocks.
- >> These stocks are called shares.
 - البورصة: هي سوق يتعامل فيه البائعون والمشترون في وحدات من أسهم الشركة.
 - تُسمى هذه الأسهم حصَصًا.

- >> The Egyptian stock exchange allows citizens to invest in any market sector, such as:
 - **Pood**
- Clothing
- Petroleum
- >> Smart investors will research multiple companies before deciding which one to invest in.
- >>> They analyze markets to see which companies' stocks go up or down.
- >> They will also be checking to see if the products or services offered are a good fit for them personally.
 - تسمح البورصة المحرية للمواطنين بالاستثمار في أي قطاع من قطاعات السوق، مثل:
 - 🛭 الملاس. 🔞 البترول.
- 🕦 الغذاء.
- يبحث المستثمرون الأذكياء عن شركات متعددة قبل تحديد الشركة التي سيقومون بالاستثمار فيها.
 - هم يقومون بتحليل الأسواق لمعرفة أسهم الشركات التي ترتفع أو تتخفض.
- ويقومون أيضًا بالتحقُّق من المنتجات أو الخدمات المقدمة لمعرفة ما إذا كانت مناسبة الأهدافهم الاستثمارية الشخصية.



- » Is a person who handles the buying and selling of shares.
- >> In traditional settings, an investor will have a broker.
 - « الوسيط: هو الشخص الذي يتولى شراء وبيع الأسهم.
 - في الأوضاع التقليدية، بعتمد المستثمر على وسيط.

d-midne

- >>> Electronic financial trading (e-trading) has made the process of buying and selling shares more efficient.
- >> It provides the investor with more authority.
- >>> With the spread of the internet, electronic trading platforms are now common places.
- >> It allows the investor to make trades on their own through websites or applications.
- >>> While investors can still use a broker, e-trading allows more independence and user-friendly options.
- >>> Robo-advisors: Are online applications that provide financial guidance and services.
- >> E-trading provides access to many people who otherwise might not be able to invest.
- >>> It is also easier and faster for different companies to trade with one another, no matter where they are located.
 - التداول المالي الإلكتروني جعل عملية بيع وشراء الأسهم أكثر كفاءة.
 - يُوفِّر التداول الإلكتروني للمستثمر المزيد من السُّلطة.
 - مع انتشار الإنترنت، أصبحت منصات التداول الإلكترونية شائعة الآن.
 - و يسمح التداول المالي الإلكتروني للمستثمر بإحراء عمليات التداول بنفسه من خلال المواقع الإلكترونية أو التطبيقات.
 - بالرغم من إمكانية المستثمرين استخدام الوسيط، قإن التجارة الإلكترونية تتيح المزيد من الاستقلالية وبدائل سهلة الاستخدام.
 - المستشارون الآليون: هي تطبيقات عبر الإنترنت تُوفِّر التوجيه والخدمات المالية.
 - ه يُوفِّر التداول المالي الإلكتروني فرصة الاستثمار إلى العديد من الأشخاص الذين قد لا يستطيعون الاستثمار.
 - كما أنه من الأسهل والأسرع للشركات المختلفة تنفيذ الصفقات مع بعضها، بغض النظر عن مكان تواجدها.



Exercises on Lesson 15

	Choose the correct ar	nswer:			
1	Books whose authors have been deceased for 50 years are				
	a. copyrighted		·		
2	refers to works	that have been granted p	permission to be shared		
	by the creator.				
	a. Creative Commons	b. Public domain	c. Copyright		
3	Egypt considers works to deceased for at least	•	if the creator has been		
	a. 5 years	b. 50 months	c. 50 years		
4	A/An is a mar	ket where buyers and :	sellers deal in units of		
	company stocks.				
	a. online shopping	b. stock exchange	c. supermarket		
5	Smart investors	the company before inv	vesting in it.		
	a. research	b. buy	c. sell		
6	On stock exchanges, stoc				
	a. money	b. shares	c. e-commerce		
7	A/An is a personal investor	n who handles the buyin b. broker			
8	E-trading has made the				
	a. difficult	b. expensive	c. efficient		
9	In traditional settings, an				
	a. broker	b. bank teller	c. instructor		
are online applications that provide financial guide			nancial guidance and		
	services.				
	a. Social media platform	s b. Video games	c. Robo-advisors		
11		process of buying an	d selling shares more		
	efficient.		_		
	a. E-learning	b. E-trading	c. E-commerce		

Digital Safety and Security Precautions

Put (✓) or (✗)	Put (✓) or (✗):				
2 Intellectual pro- from being co	Copyright only covers written material. Intellectual property rights do protect someone's invention or creation, from being copied by others. Materials in the Egyptian Knowledge Bank (EKB) need permission for				
use.	()				
4 A stock excha	nge is a place where people can buy and sell shares of				
companies.	()				
	mons refers to works that the creator has granted				
permission to					
6 In Egypt, a wo	ork enters the public domain 50 years after the creator's ()				
7 The Egyptian sector.	stock exchange allows citizens to invest in any market				
	s invest in the first company they find without doing any				
research.	()				
9 E-trading allow	vs investors more independence. ()				
10 Investors shoul	d check the products or services offered by a company				
before investin					
	lps electronic trading platforms to be common places. () of need to analyze markets before making investments.()				
	column (A) what suits it in column (B):				
-					
Column (A)	Column (B)				
1 Robo-advisors	a. made the process of buying and selling shares more efficient.				
 2 E-trading 3 A stock exchange b. is a person who handles the buying and selling of shares. c. are online applications that provide financial guidance and services. 					
				oxendinge	guidance and services.
4 A broker	d. includes written, visual, audio, video, and web material.				
	d. includes written, visual, audio, video, and web				

Lesson

Cloud Storage of Files

Cloud computing

>>> It is the on-demand storing and accessing of data and programs via remote servers on the internet.

• الحوسية السحابية:

هي تقنية متوفرة عند الطلب تُستخدم لتخزين البيانات والبرامج والوصول إليها عبر خوادم بعيدة على الإنترنت.

Cloud computing enables users to access files and data easily and conveniently from anywhere and at any time.

• الحوسية السحابية تُمكِّن المستخدمين من الوصول إلى الملفات والبيانات بسهولة ويُسر من أي مكان وفي أي وقت،

Examples of Cloud Computing

- Microsoft 365
- >> With its application
 - One Drive

- Coogle
- >> With its application Google
 - Drive



(Committee of the Committee of the

Donnect users who are not on the local area network (LAN) to access and manage data, files, and applications via the internet.

• الخوادم البعيدة: تقوم بتمكين المستخدمين غير المتصلين بالشبكة المحلية (LAN) من الوصول إلى البيانات والملفات

The Advantages and Disadvantages of Cloud Computing

Advantages 🗸



- 1 It frees up space on your devices by using cloud storage services.
- 2 It allows you to log in and access your files from multiple devices, as long as you have internet service.
- 3 It provides a backup for your files.
- It provides an extra layer of security by offering password-protected data storage and data encryption.
- 6 It allows you to directly share files with authorized users.

مزايا الحوسية السحابية:

- 🕕 تقوم بتوفير مساحة على أجهزتك عن طريق استخدام خدمات التخزين السحابية.
- 🙋 تسمح لك بتسجيل الدحول والوصول إلى ملفاتك من أجهزة متعددة، طالما أن لديك خدمة الإنترنت.
 - 🔞 توفر نسخة احتياطية للفاتك.
- 👍 توفر طبقة إضافية من الأمان من حلال خاصية تخزين البيانات المحمية بكلمة مرور وتشفير البيانات.
 - 🤚 تسمح لك بمشاركة الملفات مباشرة مع المستخدمين المعتمدين.

Disadvantages X

- 1 It requires you to have an internet connection. If you lose your internet connection, you won't be able to access files that are only stored in the cloud.
- 2 Cloud storage is often a fee-based service. If you want to store files, you will need to pay a fee. The more storage you require, the higher the fee you will pay.
- 18 If the cloud service you are using is a victim of a data breach, you may become a victim as well, as your information may be compromised. However, while there is a small risk, cloud services are overall extremely safe and secure.

عيوب الحوسبة السحابية:

- 🕕 تتطلُّب أن يكون لديك اتصال بالإنترنت. إذا فقدت اتصالك بالإنترنت، فلن تتمكَّن من الوصول إلى المُلفات المُخزُّنة فقط في السحابة.
- غالبًا ما يكون التخزين السحابي خدمة مقابل رسوم. إذا كنت ترغب في تخزين الملفات، فسوف تحتاج إلى دفع رسوم. وكلما زادت سعة التخزين التي تحتاجها، زادت الرسوم التي ستدفعها.
- 🔞 إذا كانت الخدمة السحابية التي تستخدمها ضحية لاختراق البيانات، فقد تصبح أنت أيضًا ضحية؛ حيث قد تتعرُّض معلوماتك للخطر. ومع ذلك، على الرغم من وجود خطر بسيط، إلا أن الخدمات السحابية أمنة للغاية بشكل عام،

Data Encryption It converts data into a code to prevent unauthorized user access. منافع المستخدم. المستخدم.

Data Breach It occurs when unauthorized parties gain access to confidential data and information.

اختراق البيانات: يحدث عندما تتمكَّن أطراف غير مصرح لها من الوصول إلى البيانات والمعلومات السرية.

The role of cloud computing in storing files

- >> Having a document management system allows you to organize your documents so you can find them easily and quickly.
- >>> Create separate folders for different types of data, like photos, videos, audio files, and documents.
- >> Separate school and personal information, with one folder for each.
- >> Label folders and subfolders dearly to find what you are looking for easily.
- >>> Consider keeping separate folders depending on the file type, such as videos, photos, audio files, and text documents.

دور الحوسبة السحابية في تخزين الملفات

- وجود نظام لإدارة المستندات يتبح لك تنظيم مستنداتك؛ بحيث تستطيع العثور عليها بسهولة وسرعة،
 - أنشئ مجلدات منفصلة لأنواع مختلفة مثل: الصور ومقاطع الفيديو والملفات الصوتية والمستندات،
 - افصل بين المعلومات المدرسية والمعلومات الشخصية، بإنشاء مجلد واحد لكل منهما.
 - قم بتسمية المجلدات والمجلدات الفرعية بوضوح؛ ليسهل العثور على ما تبحث عنه.
- فكر في الاحتفاط بمجلدات منفصلة حسب نوع الملف، مثل: مقاطع الفيديو والصور والملفات الصوتية والمستندات النصية.

Strong Passwords

- Create strong passwords for files and take necessary security measures.
 Be sure to use a strong password for any account you have on a cloud storage platform, including Multi-Factor Authentication (MFA) for additional security.
- All the large and reputable cloud storage services offer MFA.

كلمات المرور القوية

- أنشئ كلمات مرور قوية للملفات، واتخذ الإجراءات الأمنية اللازمة.
- و تأكد من استخدام كلمة مرور قوية لأي حساب لديك على منصة التخزين السحابية، بما في ذلك المصادقة متعددة العوامل
 (MFA) لمزيد من الأمان.
 - جميع خدمات التخزين السحابية الكبيرة وذات السمعة الطبية تُقدُّم خاصية المسادقة متعددة العوامل (MFA).



Exercises on Lesson 6



Choose the correct answer:

1	is the on-dema	nd storing and accessing	of data and programs
	via remote servers on the	e internet.	
	a. Data encryption	b. Data breach	c. cloud computing
2	Cloud computing provide	es an extra layer of securi	ty by offering .
	a. data compression	b. data encryption	c. data replication
3	Cloud storage is often a	service.	
	a. free-based	b. fee-based	c. limited-based
4	connect(s) user	s who are not on the LAN t	o access and manage
	data, files, and applicati		
	a. Remote servers	b. OneDrive	c. Microsoft 365
5	converts data i	nto a code to prevent una	uthorized user access.
	a. Data breach	b. Data theft	c. Data encryption
6	is/are example		
	a. Google Drive	b. OneDrive	c. both a and b
7	occurs when u	nauthorized parties gain	access to confidential
	data and information.		
	a. Data breach	b. Data theft	c. Data encryption
8	provides a bac		
	a. Cloud computing	b. Social media	c. Web browser
9		s to access files and data	easily from anywhere
	and at any time.		
	a. Remote servers	b. Cloud computing	c. Data encryption
10	The more cloud storage		the fee you will pay.
	a. higher	b. lower	c. same
11		ıllsafe and secu	
	a. moderate	b. extremely	c. less

12	A system allows you to organize your documents.		
	a. database b. document management c. Microsoft		
13	All the large and reputable cloud storage services offer .		
	a. free storage b. unlimited storage c. MFA		
	Post (/) on (y) .		
	Put (✓) or (X):		
1	You can access files stored in the cloud even without an internet connection.		
	()		
2	Cloud computing is a way to store files and data on a remote server and		
	access them over the internet.		
3	Be sure to create a strong password for your files on the computing		
	cloud.		
4	Cloud computing provides a backup for your files. ()		
5	Cloud storage services are always free.		
6	Examples of cloud computing include Google Drive, OneDrive, and		
	Google Chrome.		
7	Data encryption converts data into code to prevent unauthorized access.		
	()		
8	Cloud computing does not offer any form of security for your data.(
9	Cloud computing can help protect data from breaches by encrypting		
	data.		
10	Despite a small risk, cloud services are overall extremely safe and secure.		
	()		
11	Cloud computing requires an internet connection. ()		
12	A document management system does not help organize your documents.		
13	MFA is a security measure that requires users to provide two or more		
	factors of authentication when logging into their accounts.		
14	A data breach occurs when authorized parties gain access to confidential		
	data and information.		



Choose from column (A) what suits it in column (B):

	Column (A)	Column (B)		
1	Remote servers	a. it occurs when unauthorized parties gain access to confidential data		
2	Data breach	b. is an example on cloud computing		
3	Data encryption	c. connect users who are not on LAN to access and manage data, files, and applications via the internet.		
4	Microsoft 365	d. is often a fee-based service.		
5	Cloud storage	e. it converts data into a code to prevent unauthorized user access.		
1	2	3 4 5		

Lessan 7

Cloud Computing Applications

- >> Cloud computing is storing and accessing data or programs through the internet.
 - تقوم الحوسبة السحابية بتخزين البيانات أو البرامج والوصول إليها عبر الإنترنت.

Microsoft 365 and Google Workspace

- Microsoft 365 and Google Workspace are the most popular software programs that deal with cloud computing applications. Both platforms include productivity apps and storage.
- >> Microsoft 365 offers a whole suite of productivity apps, such as Microsoft Teams, Word, Excel, and PowerPoint.
- Microsoft 365 email platform is Outlook.
- Microsoft 365 storage application is OneDrive.
- >> In summary, this platform provides everything you need.
 - يعد Microsoft 365 و Google Workspace من أشهر البرامج التي تتعامل مع تطبيقات الحوسبة السحابية، يتضمن كلا النظامين تطبيقات الإنتاجية والتخزين.
 - يقدم Microsoft 365 مجموعة كاملة من تطبيقات الإنتاجية مثل: Microsoft Teams و Excel و PowerPoint
 - نظام البريد الإلكتروني الخاص بـ Microsoft 365 هو Outlook.
 - تطبيق التخزين الخاص بـ Microsoft 365 هو OneDrive.
 - باختصار، تُوفَر هذه المنصة كل ما تحتاجه،







Microsoft Word

>>> When you select Microsoft Word, it opens up a new blank document that allows you to draft ideas, a story, or an assignment.



• عند اختيار مايكروسوفت وورد، فإنه يفتح مستندًا فارغًا جديدًا يسمح لك بصياغة أفكار أو قصة أو مهمة.

PowerPoint

>> PowerPoint can help you create a presentation.

• يمكن أن يساعدك تطبيق PowerPoint في إنشاء عرض تقديمي.





One Drive

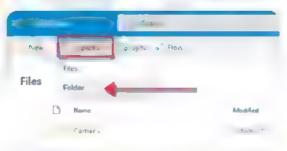
- OneDrive can help you share work with your friends.
- OneDrive allows you to store, share, and access files from any device.



- >>> It is very user-friendly.
 - You upload your files and then click on the Share option to share them with others.
- You can decide what level of access each person you share with gets, whether it's for viewing purposes only or editing.
 - يمكن أن يساعدك OneDrive في مشاركة العمل مع أصدقائك.
 - يتيح لك OneDrive تخزين الملفات ومشاركتها والوصول إليها من أي جهاز.
 - إنه سهل الاستخدام للغاية.
 - ه تقوم بتحميل ملفاتك ثم تضغط على خيار المشاركة؛ لمشاركتها مع الأخرين،
 - يمكنك تحديد مستوى الوصول الذي يحصل عليه كل شخص تشاركه معه، سواء كان ذلك لأغراض العرض فقط أو

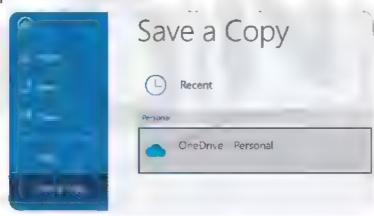
Ham in upload flies or holders in the drive

- 1 In Chrome,
 - Sign in the Microsoft Office.
 - Select One Drive.
- Select Upload >> Files ,or Upload >> Folder.
- 3 Select the files or folder you want to upload.
- 4 Select Open or Select Folder.



Savo

- 1 Select File >> Save a Copy > OneDrive Personal/Company.
- Select Enter file name here and type a name.
- 3 Select Save.
- 4 You will then see the file in your OneDrive, the next time you open the Office app.



Exercises on Lesson 7

Choose the correct answer:

1	is storing a	nd accessing data or prog	rams through the internet.
	a. Web hosting	b. Database	c. Cloud computing
2	The email platform o	f Microsoft 365 is	***************************************
	a. Gmail	b. Outlook	c. Yahoo
3	is/are the r	nost popular software that a	deal with cloud computing
	applications.		
	a. Microsoft 365	b. Google Workspac	e c. both a and b
4	To save a file to On	eDrive, open	nenu, then select Save a
	Сору.		
	a. File	b. Insert	c. Edit
5	is the Micr	osoft 365 storage applica	ition.
	a. Google Drive	b. OneDrive	c. Outlook
6	You can use OneDriv	ve to upload	
	a. files	b. folders	c. both a and b
7	After uploading your	files on OneDrive, you c	an click on the
	option to share a file	with your friends.	
	a. Share	b. Open	c. Insert
8	The Microsoft 365 su	uite includes	
	a. MS Word	b. Microsoft Teams	c. both a and b
9	When you select Mid	crosoft Word, it opens	*************
	a. new browser	b. blank document	c. online storage
10	is a Micros	oft program that can help	you create a presentation.
	a. PowerPoint	b. Word	c. OneDrive

11	is a Microsoft program that can help you share your work with		
	your friends.		
	a. Word	b. PowerPoint	c. OneDrive
12	To upload a file or folder	on OneDrive, you should fi	rst Microsoft
	office.		
	a. download	b. sign in	c. share
()	Put (✓) or (X):		
1	OneDrive allows you to	store, share, and access	files from any device.
			()
2	OneDrive is complicated	and difficult to use.	()
3	To access OneDrive, use	ers must have a Microsoft	account. ()
4	Microsoft Word is used to create presentations. ()		
5	Cloud computing is storing and accessing data through the internet.		
			()
6	OneDrive is a Google Workspace storage application. ()		
7	Microsoft 365 and Goog	gle Workspace do not incl	ude productivity apps.
			()
8	Gmail is the email platfo	orm for Microsoft 365.	()
9	Microsoft 365 provides	everything you need.	()
10	Google Workspace is	not popular software ti	nat deals with cloud
	computing.		()
11	To upload files or folder	s to OneDrive, you need	to sign in to Microsoft
	Office first.		()
12	You can set each person	n's access level for sharir	ng, either view-only or
	with editing rights.		()
13	Using the Word program	n, you can draft ideas, a st	ory, or an assignment.
			1

Final Exams



A∵Model Exam: 1

	Choose the co	rrect answer:	
1	On stock excha	nges, stocks are called	
	c. money	b. shares	c. e-commerce
_2	via remote serve	ers on the internet.	d accessing of data and programs
		ion b. Data brea	
3	Augmented real world.		model of what looks like the real
	a. 2-D	b . 3-D	c. invisible
4		ing are operating syste	
	a. Android	b. Linux	c. the CPU
5		-	e largest heading in HTML.
	a. <h1></h1>	b. <h6></h6>	c. <11>
2	Put (\checkmark) or (x) :		
1	Good digital cit	izens post others' idea:	s as their own. ()
2	Programs that co	onvert speech to text ar	nd vice versa are a type of
	assistive technological	ogy.	()
3	Gmail is the em	ail platform for Microso	oft 365. ()
4	User experience	describes how people	use and evaluate a product.()
5	· ·	ry to report the threats	
3	Choose from C	column (A) what su	its it in column (B):
	Column (A)	C	olumn (B)
1	Data encryption	a. connects the compu	iter to the internet.
2	Screen readers	b. a network device th	at pass data to a specific device.
3	A switch	c. converts data into c	ode to prevent unauthorized user
		access.	
4	Spoofing	d. cyber criminals pret person to trick you.	tend to be a business or a known
5	A router		y converting text to audio.
4	2	2 A	8

1		Choose the correct an	swer:	
-	1	Passwords that contain at		
			b. less secure	c. more secure
	2			
	4		ers who are not on the	
		manage data, files, and a a. Remote servers	o. OneDrive	c. Microsoft 365
	3			
	,	If the product is practical a will be	ind meets customer needs	s, the user experience
		a. positive	. negative	c. neutral
	4	You can use the shortcut	to copy text or	image in windows.
		a. "Ctrl + c"	o. "Cmd + c"	c. "Ctrl + x"
	5	refers to work	s that have been grant	ed permission to be
		shared by the creator.		
		a. Creative Commons	o. Public domain	c. Copyright
2	1	Put (✓) or (X):		
	1	Spoofing is the greatest cy	ber security threat.	()
	2	Microsoft Word is used to	create presentations.	()
	3	The Uber app uses artificial	intelligence to match riders	with available
		drivers.		()
	4	Anyone can read and mod	dify the code in closed-so	urce software. (
	5	Electronic games can be for	un, but they impact healt	h. ()
6	1	Complete the following	using the words betw	veen the brackets:
16		Aicrosoft 365 - User experienc		
	1		people to translate their	
		spoken or text output.		olgilo ili rour ililo io
	2	Playing electronic games t	oo much can affect vour	
	3	is an example		·
	4	One of the psychological		mes is
	5	is how to use the		
1	-	WIND THE PROPERTY OF THE PROPE	ie produci dija ililetaci y	¥ 1331 II.

	Choose the corr	ect answer:					
1	If you've been hacked on your Instagram account, it is better to change						
	a. Instagram passv	word b. all accounts passwords					
	c. none of them						
2	is an o	pen-source software for building robot appli	ications				
	a. iOS	b. ROS c. Android					
3	confirms your identity by scanning your thumb.						
	a. Fingerprint authentication b. Facial recognition c. A password						
4	4 occurs when unauthorized parties gain access to confidential						
	data and informati						
	a. Data breach	b. Data theft c. Data en	cryption	1			
5	A fake domain pre	etending to be a business is an example of					
	a. malware	b. spoofing c. virus					
2	Put (√) or (x):						
1	HTML tags have th	ree main parts	1	}			
2		mple of a general search engine.	1	,			
3			1	1			
	·	irn by analyzing the provided examples.	(- 1			
4	OneDrive is compl	icated and difficult to use.	(}			
5	Copyright only cov	vers written material.	(}			
3	Choose from co	umn (A) what suits it in column (B):					
	Column (A)	Column (B)					
1	Cloud storage	a. covers only one subject, such as busines	ss or lay	v.			
2	2 Creative Commons	b. protects printed and digital content.					
3	Subject database	c. a person who handles the buying and selling	of share	s.			
	A broker	d. means creators give permission to share their	r works.				
	5 Copyright law	e. is often a fee-based service.					
	L 2						

	Choose the correct ar		
1	runs a comput	er's software and hardw	аге.
	a. Operating system	b. The CPU	c. Hardware
2	converts data in	nto code to prevent unau	thorized user access.
	a. Data breach	b. Data theft	c. Data encryption
3	combines the	real world with a virt	ual world by adding
	images using computers.		
	a. Augmented reality	b. Artificial intelligence	c. Virtual reality
4	A poem written in 1900 i	5	
	a. copyrighted	b. not copyrighted	c. both a and b
5	Wired networks connect of	devices using	A
	a. Wi-Fi	b. radio waves	c. cables
)	Put (✓) or (X):		
1	It is important to balance	between online and offli	ne activities. (
2	It is important to balance Despite a small risk, cloud		·
2	Despite a small risk, cloud	services are overall extre	emely safe and secure
2	Despite a small risk, cloud	services are overall extre	emely safe and secure (report the theft. (
2	Despite a small risk, cloud	services are overall extre	emely safe and secure (report the theft. (
2	Despite a small risk, cloud If you are a victim of data The Egyptian stock exchangesector.	services are overall extre theft, there is no need to age allows citizens to inve	emely safe and secure (report the theft. (est in any market
3 4	Despite a small risk, cloud If you are a victim of data The Egyptian stock exchangesector.	services are overall extre theft, there is no need to age allows citizens to inve	emely safe and secure (report the theft. (est in any market (
2 3 4 5	Despite a small risk, cloud If you are a victim of data The Egyptian stock exchansector. Scareware tells you to clica virus.	theft, there is no need to nge allows citizens to inve	emely safe and secure (report the theft. (est in any market (but the link is
2 3 4 5	Despite a small risk, cloud If you are a victim of data The Egyptian stock exchansector. Scareware tells you to clica virus. Complete the following	theft, there is no need to age allows citizens to invente words between the link to remove it,	report the theft. (est in any market (but the link is (
2 3 4 5	Despite a small risk, cloud If you are a victim of data The Egyptian stock exchansector. Scareware tells you to clic a virus. Complete the following (Robo-advisors - <h 1=""></h>	theft, there is no need to age allows citizens to invente words between the desired by the words between the desired breach - Scare	report the theft. (est in any market (but the link is (ween the brackets ware - eye strain)
2 3 4 5 5	Despite a small risk, cloud If you are a victim of data The Egyptian stock exchansector. Scareware tells you to clic a virus. Complete the following (Robo-advisors - <h 1=""> occurs when unaut)</h>	theft, there is no need to age allows citizens to invente words between Data breach - Scare horized parties gain acce	report the theft. (est in any market (but the link is (ween the brackets ware - eye strain) ess to confidential date
3 4 5	Despite a small risk, cloud If you are a victim of data The Egyptian stock exchansector. Scareware tells you to clic a virus. Complete the following (Robo-advisors - <h 1=""> occurs when unaut)</h>	theft, there is no need to age allows citizens to invente words between Data breach - Scare horized parties gain accepte largest heading in HT	report the theft. (est in any market (but the link is (ween the brackets ware - eye strain) ess to confidential date
2 3 4 5 1 2	Despite a small risk, cloud If you are a victim of data The Egyptian stock exchansector. Scareware tells you to clic a virus. Complete the following (Robo-advisors - <h 1=""> occurs when unaut) is used to creatis a type of mo</h>	theft, there is no need to age allows citizens to invente words between Data breach - Scare horized parties gain acce	report the theft. (est in any market (but the link is (ween the brackets ware - eye strain) ess to confidential date (ML. be a virus alert.

9	Choose the correct	answer:	
1	is a virtual 3	-D environment that allows	users to explore and
	interact with the surrou	ndings, as if it were reality.	
	a. Virtual reality	b. Artificial intelligen	се
	c. Augmented Reality		
2	scans your face	using the device's camera to	o confirm your identity.
	a. Fingerprint authentic	cation b . Facial recognition	c. Full disk
3	is an open-	source operating system for	mobile devices.
	a. Android	b. iOS	c. macOS
4	is the Micro	soft 365 storage application	on.
	a. Google Drive	b. OneDrive	c. Outlook
5	If you are exposed to a	yber security threat, you sh	ould it.
	a. ignore	b. accept	c. report
6	To make the text bold i	n HTML, you can use the	tag.
	a. <bold></bold>	b . <s></s>	c.
7	is a market v	vhere buyers and sellers de	al in units of company
	stocks.		
	a. Online shopping	b. Stock exchange	c. Supermarket
)	Put (✓) or (X):		
1	Cloud storage services	are always free.	()
2	Routers work as gatew	ays that connect your devic	e to ISP. ()
3	It is responsible to leav	e your devices at risk witho	out protection. ()
4	Electronic games can n	nake some people anxious	and depressed. ()
5	Copyright includes only	y books, music, and videos	. ()
6	In HTML, the <i> tag is</i>	used to display text in itali	cs. ()
7		ar operating system all ove	
8		onnect computers to the ISP	·

1	Choose the correct	t answer:							
1	is the greatest cyber security threat.								
	a. Malware	b. Anti-virus	c. Firewall						
2	Sharing your friend's	photos without their pe	ermission is						
	behavior.								
	a. responsible	b. irresponsible	c. safe						
3			ould first Microsoft						
	office.								
	a. download	b. sign in	c. share						
4		ags are correct, except							
		b. <i> </i>	c.						
5			to explore and interact as						
	if it were reality.		•						
	the state of the s	b. Artificial intelligence	e c. Assistive technology						
	Put (✓) or (X):		0,						
4		Data Protection Laurets a							
2		Data Protection Law to p							
2		puter to think and learn i							
3		mputing include Google	Drive, OneDrive,						
	and Google Chrome.		()						
4	E-trading allows more	independence for invest	tors. ()						
5	There is no difference	between augmented rec	ality and virtual						
	reality.		()						
2	Complete the follow	ing using the words h	between the brackets:						
			ervers - Wired networks)						
1		evices using physical cab							
2									
2	Some electronic game	es promote violence and	d can make some people						
3		.l. u frl. e	f · If						
		least two ways of identi	, , ,						
4			N to access and manage						
		cations via the internet.							
5		where buyers and sellers	s deal in units of company						
	stocks.								

	Choose the correct a	answer:	
1	are group of pe	ople or things that are co	nnected to each other.
	a. Servers	. –	
2	is computer o	ipps that perform complex	tasks that simulate the
	thinking and performance	ce of the human element.	
	a. Artificial intelligence	b. Augmented reality	c. Remote sensors
3	The latest version of serv	vice or product is called b. cutting-edge	technology.
	a. assistive	b. cutting-edge	c. virtual
4	is a closed-so	ource operating system for	r mobile devices.
		b. Apple iOS	
5		he world(s) ar	nd provides views that
	immerse the user in ano	ther world.	
	a. real		c. both of them
6		provided by Microsoft for ac	
		b. Favorites bar	
7	·	icrosoft 365 is	
		b. Outlook	
8		ole to translate their signs to	
•		b. Screen reader	
9	Large gaming communit	ies are filled with	
40	cyberbullies	b. doctors	c. both a and b
10	to create the smallest he	eading in HTML, use the b. <h6></h6>	tag.
11			
11		ins that it can't be seen or ob. Closed-source	
12			
12	creator's death.	in the public domain a	fter of the
	c. 5 years	b. 50 months	c. 50 years.
13		vers only one subject, suc	
	a. General	b. Subject	c. Electronic
14		o-use products result in	
	a. positive		c. neutral
15		can use to see their fa	
		b. artificial intelligence	

		Model Exame O	
	Choose the cor	rect answer:	
1	Word prediction	on smartphones is an example of .	
	a. artificial intellig	gence b. augmented reality c. virtual reality	
2	is a M	icrosoft application that can help you share wo	ks w
	your friends.		
	a. Word	b. PowerPoint c. OneDrive	
3	To use images, via	deos, or infographics of someone, you should	
	a. ignore the owr	ner b. share them without permission	
	c. ask for permiss	ion	
4	is a d	evice that connects a local area network (LAN) to t
	internet.		
		gence b. A modem c. A server	
5	_	le the process of buying and selling shares more)
	a. difficult	b. expensive c. efficient	
F	Put (✓) or (X):		
1	You should use we	eak passwords to protect your data	(
2	E-trading platform	is are now common places.	(
3	Without HTML tag	gs, a screen reader stops after every element.	(
4	Virtual reality is	a virtual 2-D environment that allows users to	
	explore and interes	act with the surroundings.	(
5	macOS is the ope	erating system used by 90% of the world's	
	computers.		(
	Choose from co	olumn (A) what suits it in column (B):	
	Column (A)	Column (B)	
1	MFA	a. it is used to make text bold in HTML.	
2		b. stands for Hyper Text Markup Language.	
3		c. requires at least two ways of identifying yo	urse
4	HTML	d. is an operating system for Apple computer	S.
5		e. is used to experience virtual reality.	

C	hoose the correct answer:
1	runs a computer software and hardware.
	a. Windows explorer b. Operating system c. CPU
2	converts the digital text into audio to help blind people.
	a. Brille terminal b. Screen reader c. Screen magnifier
3	To make the images accessible on web pages, add to
i	in HTML.
	a. alt-text b. meta c. title
4	scrambles your data and requires a password to access it.
	a. Full disk encryption b. Facial recognition c. Both a and b
5	can imitate sounds when provided with the tone of voice of
	an actual human being.
	a. Augmented reality b. Artificial intelligence c. Switches
P	ut (✓) or (X):
	You should play a lot of electronic games to fall asleep right away. (
	OneDrive is a Google Workspace storage application.
	The internet helps electronic trading platforms to be common places. ()
	You can access files stored in the cloud even without an internet connection.
5	Strong passwords contain letters, numbers, and special characters. ()
	omplete the following using the words between the brackets:
1	OS - Facial recognition - E-trading - MFA - Programming languages)
2	made the process of buying and selling shares more efficient.
	is an open source operating system that is used for building
3	robot applications.
4	are instructions to a computer are given in code.
	scans your face using your device's camera to confirm your
	identity.
5	stands for Multi-factor Authentication.

	se the corre		
1			ored in a computer system.
	earch results	b. Databases	c. Software
	rdboard VR hear rtphone.	idset is a/an	way to experience VR on a
a. e	xpensive	b. inexpensive	c. difficult
The	HTML tag that i	s used to create a para	graph is .
a. <	h>	b. <a>	c.
£	networks	connect devices using	Wi-Fi.
a. V	Vired	b. Wireless	c. Both of them
The	most popular op	erating system for mobi	ile worldwide is
a. V	Vindows	b. Android	c. Apple iOS
Put (√) or (X):		
1 Cred	ative commons m	neans the creator has b	een deceased for at
leas	50 years.		(
You	can press "Ctrl -	+ c" to cut text or an im	age in Windows. (
5 Virtu	al reality allows	you to explore world r	nuseums from home. (
4 Artif	icial intelligence	(AI), augmented reality	(AR), and virtual reality
		f cutting-edge technolog	
		provide information on	
			s between the brackets
			technology - <a> - modem
1		pple of determination in	
2		hat is used to create a l	
	_	devices without wiring k	
3	C E I I I I I I I I I I I		
3 4		sign language to spoke	, ,

Model Answers



,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Then	ne 1			13 X	14 🗸	15	1	16	1
	Lesso	n 🕩			17 /					
1 c 5 b 9 b	2 b 6 c 10 a 14 b	3 a ,7 b 11 a	4 b 8 c 12 b	3	3 Re	plorer mote sensors ichine learnii	a 4	citation Radars		
2 1 🗸	2 🗸	3 X	(A X	•	1 c	2 a	3	b	4	а
5 ✓ 9 ✓ 13 ✓	10 🗸	7 / 11 X	8 /	3	5 a 9 b	6 c	11		12	
 1 Art 2 Ber 	ificial Intellig nyeyes.com een reader			•	1 \(\sigma \) 5 \(\times \) 9 \(\times \)	2 / 6 / 10 /	3 7 11	X	4 8 12	111
1 b 5 c	2 a 6 b	3 c 7 c	4 b			14 X berbullies ck problems		aggres)
9 q	10 b	3 X	4 X			rsonal inform	natio	n		
5 \\ 9 \\ \\ 1 \text{Wi}	6 ✓ 10 ✓	7 / 11 / 2 spec	8 X 12 ✓	•	1 c 5 c	2 b	7	b	8	
3 Rou 5 Al			igent	2	9 a 1 X 5 X	10 C	11 3 7	_	4	×
4 1 d 5 c	^{2 a}	3 e	4 b		9 / 13 X	10 %	11		12	
	Lesso			3	1 e 5 d	2 c			4	b
1 1 a 5 b 9 c	2 b 6 a 10 a	3 a 7 a 11 b	4 c 8 b 12 a	•	1 b	2 a 6 c	3 7	С	4	
13 b	14 c	15 c	16 a	2	9 b	10 c	11	a		X
5 ✓	6 1	7 /	8 X		5 1	6 1		1		X

3	1	Malw	are		2	Scarew	/are	•
	3	Spoot	ing		4	Anti-vir	US	
				4550 F	6			
•	1	b	2	a	13	С	4	b
	5	a	6		7	b	8	С
	9	a	10		11	Ь		
		44-						
2	1	X		1	3	X	4	-
	5	1		1	7	1	8	X
	9	1	10	1	11	V	12	×
3	1	С	2	а	(3	е	4	b
	5	d						
				ejjor	6			
•	-			_				
•	1	С	2		3	b	4	a
	5		6		7	a	8	a
		Ь	10	a	11	b	12	b
	13	С	_	<u></u>				
2	1	X	2	1	3	1	4	1
	5	X	6	X	7	1	8	Х
	9	1	10	1	11	1	12	Х
	13	1	14	X				
3	1	С	2	а	.3	е	4	b
	5	d						
				ajter	7			
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•	:1			Ь	3		4	a
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	9	р	10	a	11	С	12	Ь

(3 ✓

7 X

11 /

4 X

8 X

12 ✓

2 X

10 X

13 🗸

Final Exams

∘Model Exam∘ 1

•	ī	Ь	2 C	3 b	4 C
	5	a			
2	1	Х	2 1	3 X	4 1
	5	Х			

3	1	С	2	е	3	b	4 d
	5	a					

∘Model Exam 2

•	1	С	2	a	3	a	4	a
	5	а						
2	1	х	2	X	3	1	4	X
	5	1						

- 3 1 Smartgloves
 - 2 sleep cycle
 - 3 Microsoft 365
 - 4 being depressed
 - 5 User experience

•	1 b	2 b	3 · a	4 a
	5 b			
2	1 /	2 X	3 ✓	4 X
	5 X			
	1 0	~ d	0 0	4.0

Model Answers

-Model Exam- 4

- 1 1 a 2 c 3 c 4 b 5 c
- **②** 1 ✓ 2 ✓ 3 X 4 ✓ 5 ✓
- 3 T Data breach
 - 2 <h1>
 - 3 Scareware
 - 4 Robo-advisors 5 eye strain

-Model Exam- 5

- 1) îa .2 b 3 a 4 b 5 c 6 c 7 b
- 2 1 X 2 \ 3 X 4 \ 5 X 6 \ 7 X 8 X

-Model Exam- 6

- 1) 1 a 2 b 3 b 4 c 5 a
- ② 1 ✓ 2 X 3 X .4 ✓ 5 X
- 3 1 Wired networks 2 aggressive
 - 3 MFA
 - 4 Remote servers
 - 5 Stock exchange

-Model Exam: 7

1 b 2 a 3 b 4 b
5 a 6 c 7 b 8 c
9 a 10 b 11 b 12 c
13 b 14 b 15 a

-Model Exam: 8

- 1) 1 q 2 c 3 c 4 b
 5 c
 2 1 X 2 ✓ 3 X 4 X
 5 X
- 3 1 c 2 a 3 e 4 b

-Model Exam 9

- 1 b 2 b 3 a 4 a
 - 5 b
- ② 1 X 2 X 3 ✓ 4 X 5 ✓
- 3 1 E-trading 2 ROS
 - 3 Programming languages
 - 4 Facial recognition
 - 5 MFA

- 1 b 2 b 3 c 4 b
 - 5 b
- 2 1 X 2 X 3 \ 4 \ \
 5 X
- 3 1 Assistive technology
 - 2 <a> 3 Wireless networks
 - 4 Smartgloves 5 modem

Glossary

Theme 1

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Artificial intelligence	الذكاء الصناعي	People of determination	ذوو الهمم
Interaction	تقاعل	Expert	خبير
Blind people	مكفوفون	Platform	منصة
Mentorship	ترجيه وإرشاد	Convert	يحول
Organization	منظمة	Employees	موظفون
Opportunities	قرص	Integrate	دمج
Voice recognition	التعرُّف على الصوت	Launch	يُطلق
Hearing-impaired	ضعاف السمع	Assist	يساعد – مساعدة
Volunteers	متطوعون	Realistic	حقيقي - واقعي

Lesson (2)

Internet Service Provider (ISP)	مزود خدمة الإنترنت	Human element	عنصر بشري
Specific device	جهاز محدد	Signal	إشارة
Wired networks	شبكات سلكية	Common	شائع أو مشترك
Wireless networks	شبكات لاسلكية	Purpose	غرض
Comprehensive	شامل	Complex	معقد
Sequence	تسلسل	Simulate	يحاكي
Machine	มโ	Imitate	يقلب

Lesson (3)

Immerse	ينقمس	Augmented reality	الواقع المعزز
Surrounding	البيئة المحيطة	Virtual reality	الواقع التخيلي (الافتراضي)
Headset	سماعة الرأس	Interact	يتفاعل
To experience VR	لتجرية VR	Combine	يجمع
Participant	مشارك	Surface	سطح
Cylinder	أسطوانة	Cube	مكعب
Flat	مسطح أو مستو	Ability	قدرة
Predict	يتوقع	Assistant	مساعد
Futuristic Technology	التكتولوجيا المستقبلية	Deduce	يستنتج
Facial recognition	التعرُّف على الوجه		

Glossary

Cutting Edge technology	تكنولوجيا حبيثة متطورة	Unimaginable	لا يمكن تخيلها
Service	خدمة	Empower	يمكن
Product	متتج	Inclusion	اندماج
Deaf	ضعيف السمع	Education	تعليم
Signs	إشارات	Incredibly varied	تتذوع كثيرًا
Assistive technology	التكنولوجيا المساعدة		فئات
Desirable	مرغوب فيه	Accessible	سهل الوصول إليه
Valuable product	منتج ذو قيمة	Credible	جدير بالثقة
Trustworthy	جدير بالثقة	Usable	قابلة للاستخدام
Findable	قابلية إيجاد حل	Independence	استقلالية
Improve	يحسن - يطور	Development	تطوير
Lesson (5)			
Skills	مهارات	Phrases	عبارات
Newspapers	صحف	Online libraries	مكتبات إلكثرونية
User-friendly	سهلة الاستخدام	Magazines	مجلات
Evaluation	تقييم	Collection	مجموعة
Published books	كتب منشورة	Heading	عذوان
Library Catalog	فهرس المكتبة	E-books	كتب إلكترونية
Lesson (6)			
Screen resolution	دقة الشاشة	Handheld	محمولة
Landscape	أفقى	Touch	اللمس
Portrait	رأسى	Associated with	مرتبط بـ
Decrease	يقلل	Healthcare	رعاية صحية
Access	يصل إلى	Non-verbal	غير لفظى
Challenges	تحديات	Employment	توظيف
Lesson (7)			
Screen magnifiers	مكبرات الشاشة	Include	يتضمّن
Pre-loaded	مُحملة مسبقًا	Perform	يؤدي
The most popular	الأكثر شهرة	Open-source	مفتوح المصدر
Individual	فرد – فردي		رئيسي
Self-driving cars	سيارات ذائية القيادة	Robot applications	- تطبيقات الروبوت
Similarities	التشابهات	Creators	مبدعون

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_	30		A.	- 44	w,
				-	

Compatible

A STATE OF THE PARTY OF THE PAR			
HTML	لغة ترميز النص الشعبي	Content	محتوى
Structure	التركيب	Series	سلسلة
Paragraph	فقرة	Elements	عناصر
Subheading	عنوان فرعي	Hyperlink	رابط
Accessibility features	مزايا الوصول	Distinguish	يمين
Catch attention	يجذب الانتباه	Alt-text	النص البديل

متوافق

Machine

آلة

Theme 2

Lesson (1)

Archaeology	علم الآثار	Societies	المجتمعات
Geospatial technologies	تقنيات الجغرافيا المكانية	Remote sensing	الاستشعار عن بُعد
Consultant	مستشار	Back up	تسخ احتياطية
Published	متشورة	Simulated	يحاكي
Machine learning	تعلم الآلة	Discoveries	اكتشاقات
Excavate	ينقب أو يحفر	Settlements	مستوطنات
Protect	يممي	Heritage	تراث
Monitor	يراقب	Vehicle	سيارة - مركبة

Lesson (2)

Lessuii (Z)			
Electronic games	الألعاب الإلكثرونية	Creative thinking	التفكير الإبداعي
Encourage	بشجع	Critical thinking	التقكير النقدي
Sleep cycle	دورة النوم	Impact	تأثير
Promote	يعزن	Develop	يطور
Stimulate	يحفر	Prevent	بحمي
Affect	يؤثر	Security	أمان - حماية
Weight gaining	زيادة الوزن	Leak	تسريب
Cyberbullies	المتنمرون عبر الإنترنت	Multiplayers	عدة لاعبين
Stranger	غريب	Anxious	قلق
Hunched	ملحني	Depressed	مكتئب
Eye strain	إرهاق العين	Negatively	المادية المادية
Rationally	بعقلاتية	Leaked	تسريب
Limits	حدود	Discussions	مناقشات
Encounter	يواجه أو يقابل	Maintaining	المحافظة
Supervision	إشراف		

Lesson (3)

Random	عشوائي	Security codes	رموز الأمان
Identifying yourself	تحديد هويتك	Safety precautions	احتياطات السلامة
Strict	صارم	Data Protection	حماية البيانات
Victims	ضحايا	Law	قانون
Compromised	تعرُّض لخطر الاختراق	Proper authorities	السلطات المسئولة
Immediately	قورًا	Data theft	سرقة البيانات

Glossary

			4 4 4
100	622		
	250 50	OAT ME	
_	Name and Address of the Owner, where		A TRANSPORT OF

مناسب	Frequently	بصورة متكررة
احتياطات	Accurate	دقيق
يتحقق	Threats	تهديدات
إشكالية – مشكلة	Cautious	حذر
يُخدع	Remove	يزيل
رابط	Fake	مزيف
مجرمون	Swift action	إجراءات سريعة
معارفك	Suspicious	مثير للشك
	احتیاطات یتحقق إشكالیة – مشكلة یُخدع رابط مجرمون	مناسب Frequently مناسب Accurate احتیاطات Threats حدمت Cautious اشکالیة – مشکلة Remove ایخدع البط Fake Swift action معرمون معارفك

Creative commons	المشاع الإبداعي	Granted permission	منح الإذن
Creator	مبتكر	Public	عام
Buyer	مشتي	Market sector	قطاع السوق
Seller	باشع	Virtual market	سوق افتراضي
Company stocks	أسهم الشركة	Investor	مستثمر
Options	بنائل –خيارات	Traditional settings	البيئات التقليدية
User-friendly	سهل الاستغيام	Trades	صفقات
Independence	استقلالية	Guidance	توجيه
Authority	سلطة	Efficient	كفء
Broker	وسيط		

Lesson (6)

Remote servers	الخوابم البعيدة	On-demand	عند الطلب
Manage	يدير	Platforms	منصات
Space	مساحة	Layer	طيقة
Compromised	معرضة لخطر الاختراق	Storage	تخزين
Data breach	اختراق البيانات	Multiple	متعدد
Free up	يُخلي	Fee-based service	خدمة مدفوعة الأجر
Occur	يحدث	Separate	منفصل
Authorized users	مستخدمون مصرح بهم	Organize	ينظم
Reputable	سمعة طيبة		

Lesson (7)

Email platform	منصة البريد الإلكتروني	Productivity	إنتاجية
Whole suite	مجموعة كاملة	Allow	يسمح
Draft	مسوية	Assignment	تكليف
Option	اختيار		